

Product datasheet

Anti-Rabbit IgG VHH Single Domain (HRP) ab191866

Recombinant

★★★★★ [2 Abreviews](#) [107 References](#) [7 Images](#)

Overview

Product name	Anti-Rabbit IgG VHH Single Domain (HRP)
Target species	Rabbit
Specificity	This antibody is specific to Rabbit IgG VHH Single Domain
Tested applications	Suitable for: WB, IHC-P, ELISA
Immunogen	The details of the immunogen for this antibody are not available.
Conjugation	HRP

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, Sodium chloride, Sodium phosphate, 30% Glycerol (glycerin, glycerine), 1% BSA
Purity	Purified via His tag
Purification notes	This product is a recombinant protein produced in E. coli.
Clonality	Monoclonal
Clone number	GD001

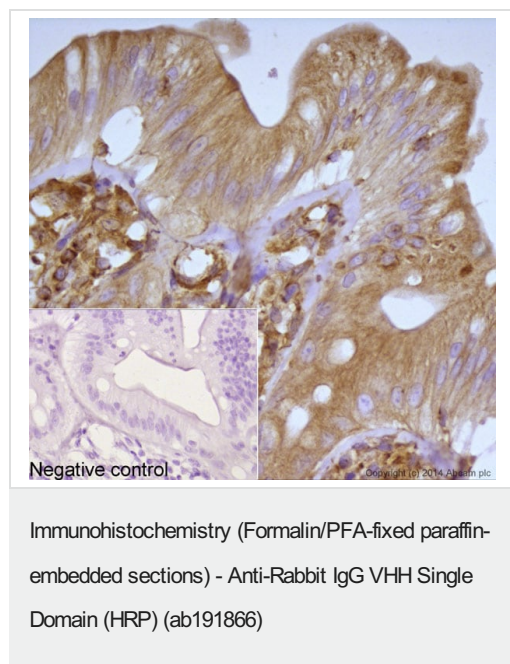
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab191866 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent concentration.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	Use a concentration of 0.02 - 0.2 µg/ml.
ELISA		Use at an assay dependent concentration.

Images

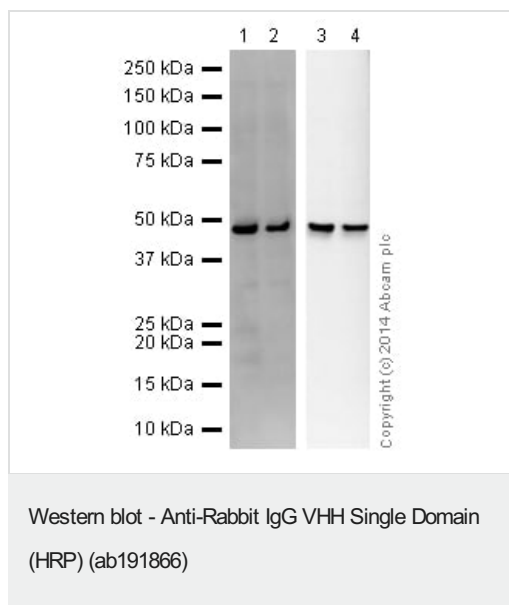


IHC image of Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866) staining in formalin fixed paraffin embedded normal human colon tissue section.

The section was dewaxed and then pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with rabbit polyclonal antibody to beta tubulin ([ab6046](#), 0.5µg/ml) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. Endogenous peroxidases were quenched using 1.6% (v/v) hydrogen peroxide in TBS containing 0.025% (v/v) Triton X-100 for 30 minutes at room temperature, with agitation. The secondary antibody, Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866, 0.125µg/ml) was then applied for 1 hour at room temperature in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA before being developed for 10 minutes at room temperature using Steady DAB/Plus ([ab103723](#)). The section was then counterstained with hematoxylin and mounted with DPX.

The negative control (secondary antibody only, no primary) inset shows no staining, demonstrating secondary antibody specificity.

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.



All lanes : Anti-NRG1 type III antibody ([ab23248](#)) at 1 µg/ml

Lanes 1 & 3 : Mouse Brain Tissue Lysate

Lanes 2 & 4 : Rat Brain Tissue Lysate

Lysates/proteins at 10 µg per lane.

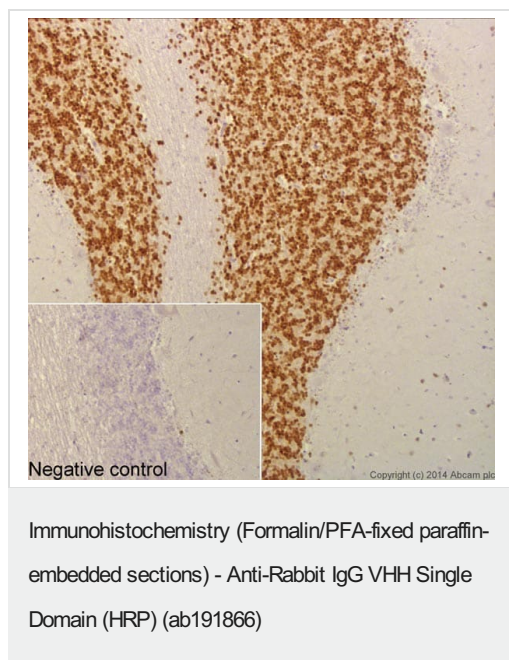
Secondary

Lanes 1-2 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 0.05 µg/ml

Lanes 3-4 : Anti-Rabbit IgG VHH Single Domain (HRP) (ab191866) at 0.05 µg/ml

Developed using the ECL technique.

Performed under reducing conditions.



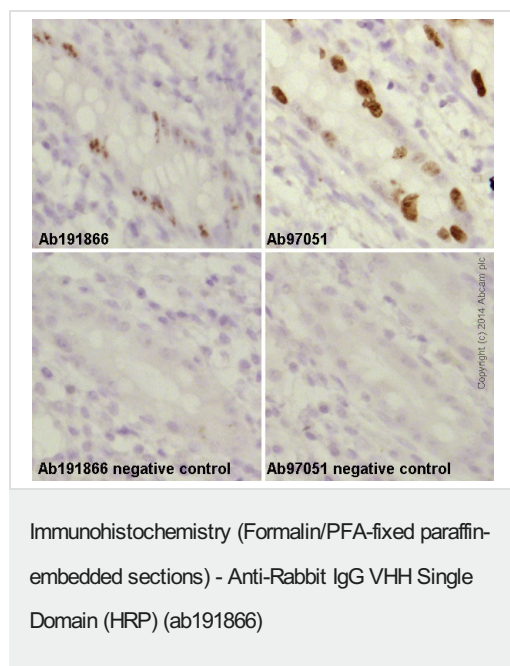
IHC image of Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866) staining in formalin fixed paraffin embedded normal human cerebellum tissue section.

The section was dewaxed and then pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with rabbit monoclonal antibody [EPR12763] to NeuN ([ab177487](#), 0.1µg/ml) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. Endogenous peroxidases were quenched using 1.6% (v/v) hydrogen peroxide in TBS containing 0.025% (v/v) Triton X-100 for 30 minutes at room temperature, with agitation. The secondary antibody, Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866, 1.0µg/ml) was then applied for 1 hour at room temperature in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA before being developed for 10 minutes at room temperature using Steady

DAB/Plus (**ab103723**). The section was then counterstained with hematoxylin and mounted with DPX.

The negative control (secondary antibody only, no primary) inset shows no staining, demonstrating secondary antibody specificity.

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.



Top left: IHC image of Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866) staining in formalin fixed paraffin embedded normal human colon tissue section.

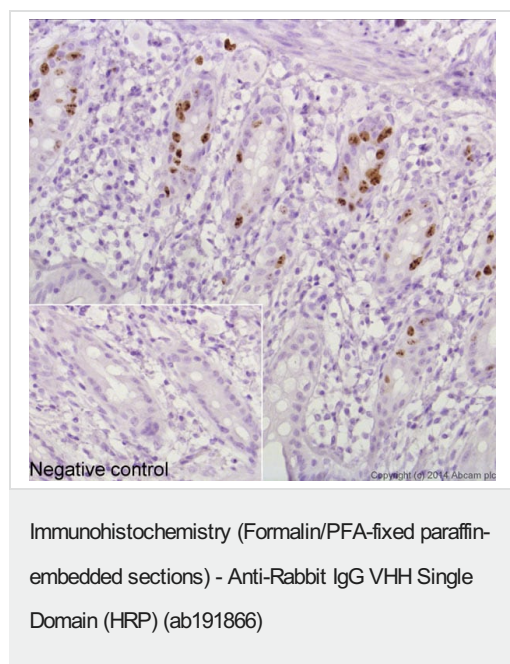
The section was dewaxed and then pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with rabbit polyclonal antibody to Ki67 (**ab15580**, 0.1µg/ml) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. Endogenous peroxidases were quenched using 1.6% (v/v) hydrogen peroxide in TBS containing 0.025% (v/v) Triton X-100 for 30 minutes at room temperature, with agitation. The secondary antibody, Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866, 0.1µg/ml) was then applied for 1 hour at room temperature in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA before being developed for 10 minutes at room temperature using Steady DAB/Plus (**ab103723**). The section was then counterstained with hematoxylin and mounted with DPX.

Top right: this image shares the same experimental design parameters, except the secondary antibody was **ab97051**, goat anti-rabbit IgG H&L (HRP) (0.1µg/ml). This demonstrates the improved definition of staining given by VHH Single Domain Antibodies over conventional secondaries.

Bottom right: this image shares the same experimental design parameters but is a negative control (no primary antibody) for **ab97051**, demonstrating specificity of the goat anti-rabbit secondary antibody.

Bottom left: this image shares the same experimental design parameters but is a negative control (no primary antibody) for ab191866, demonstrating the specificity of the VHH-Single Domain Antibody.

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.

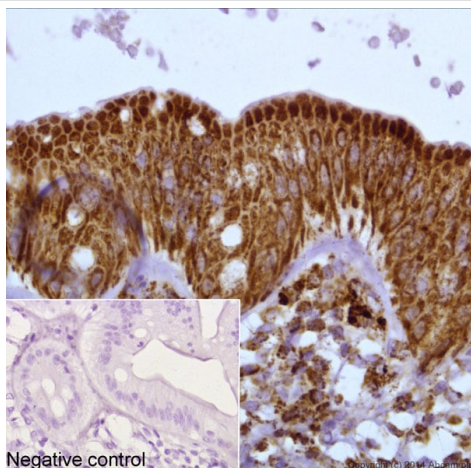


IHC image of Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866) staining in formalin fixed paraffin embedded normal human colon tissue section.

The section was dewaxed and then pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with rabbit polyclonal antibody to Ki67 (**ab15580**, 0.1µg/ml) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. Endogenous peroxidases were quenched using 1.6% (v/v) hydrogen peroxide in TBS containing 0.025% (v/v) Triton X-100 for 30 minutes at room temperature, with agitation. The secondary antibody, Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866, 0.025µg/ml) was then applied for 1 hour at room temperature in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA before being developed for 10 minutes at room temperature using Steady DAB/Plus (**ab103723**). The section was then counterstained with hematoxylin and mounted with DPX.

The negative control (secondary antibody only, no primary) inset shows no staining, demonstrating secondary antibody specificity.

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.



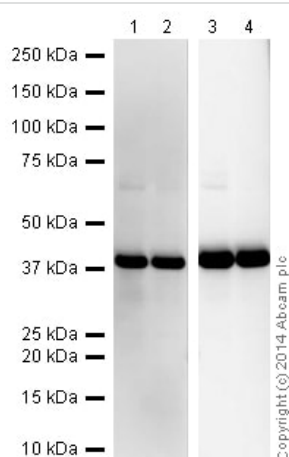
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rabbit IgG VHH Single Domain (HRP) (ab191866)

IHC image of Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866) staining in formalin fixed paraffin embedded normal human colon tissue section.

The section was dewaxed and then pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) in a Dako Pascal pressure cooker using the standard factory-set regime. Non-specific protein-protein interactions were then blocked using in TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1h at room temperature. The section was then incubated with rabbit polyclonal antibody to VDAC1 ([ab15895](#), 1/1000 dilution) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. Endogenous peroxidases were quenched using 1.6% (v/v) hydrogen peroxide in TBS containing 0.025% (v/v) Triton X-100 for 30 minutes at room temperature, with agitation. The secondary antibody, Anti-Rabbit IgG VHH Single Domain Antibody (HRP) (ab191866, 0.125µg/ml) was then applied for 1 hour at room temperature in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA before being developed for 10 minutes at room temperature using Steady DAB/Plus ([ab103723](#)). The section was then counterstained with hematoxylin and mounted with DPX.

The negative control (secondary antibody only, no primary) insert shows no staining, demonstrating secondary antibody specificity.

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Western blot - Anti-Rabbit IgG VHH Single Domain (HRP) (ab191866)

All lanes : Anti-GAPDH antibody - Loading Control ([ab37168](#)) at 1 µg/ml

Lanes 1 & 3 : HeLa Whole Cell Lysate

Lanes 2 & 4 : Jurkat Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

Lanes 1-2 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 0.02 µg/ml

Lanes 3-4 : Anti-Rabbit IgG VHH Single Domain (HRP) (ab191866) at 0.02 µg/ml

Developed using the ECL technique.

Performed under reducing conditions.

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