abcam

Product datasheet

Donkey Anti-Rabbit IgG H&L (Biotin) ab207999

6 References 4 Images

Overview

Product name	Donkey Anti-Rabbit IgG H&L (Biotin)
Host species	Donkey
Target species	Rabbit
Tested applications	**Suitable for:** ELISA, IHC-Fr, IP, ICC/IF, Flow Cyt, WB, IHC-P
Immunogen	The details of the immunogen for this antibody are not available.
Conjugation	Biotin

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)
Purity	Affinity purified
Purification notes	Immunogen affinity purified - This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to Biotin.
Clonality	Polyclonal
Isotype	IgG

Applications

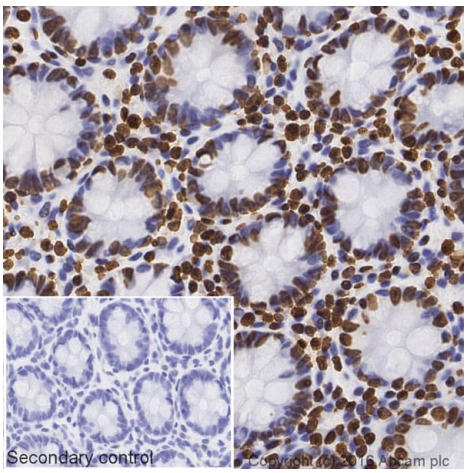
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab207999 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/20000 - 1/200000.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.
IHC-P		1/500 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Donkey Anti-Rabbit IgG H&L (Biotin) (ab207999)

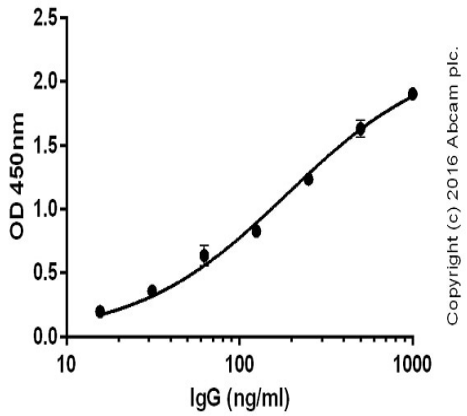
IHC image of Histone H4 staining in a section of formalin-fixed paraffin-embedded normal human colon tissue*. Ab207999 Donkey Anti-Rabbit IgG H & L (Biotin) was used as the secondary antibody.

Staining was performed on a Leica Bond™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins, before blocking of endogenous biotin using **ab64212**. The section was then incubated with **ab177840**, 1/100 dilution, for 15 mins at room temperature, followed by ab207999, 1/2000 dilution, for 15 mins at room temperature. Detection was via an HRP conjugated ABC system and DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

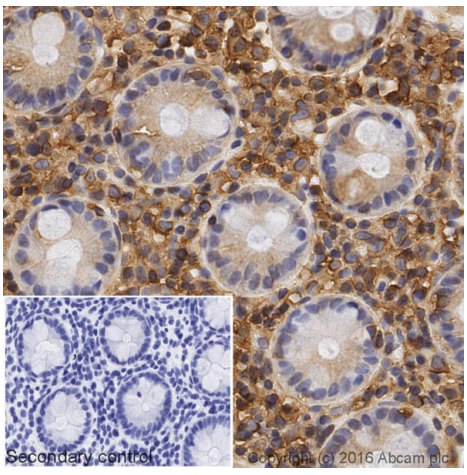
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*



ELISA - Donkey Anti-Rabbit IgG H&L (Biotin) (ab207999)

ab207999 was tested by direct ELISA, where wells were coated with serially diluted rabbit IgG (1000 – 16 ng/ml) for 2 hours, followed by a 2 hour blocking step (5% BSA). ab207999 (1:20,000 dilution; 2 hours) was added and detected by streptavidin-HRP (**ab7403**; 1:10,000 dilution; 1 hour). Signal was developed by TMB substrate. Data from duplicates; +/- SD.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Donkey Anti-Rabbit IgG H&L (Biotin) (ab207999)

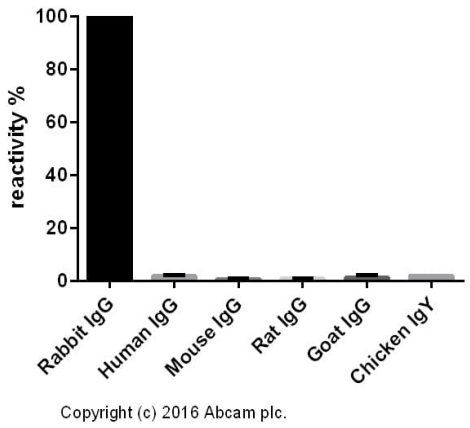
IHC image of beta Tubulin staining in a section of formalin-fixed paraffin-embedded normal human colon tissue*. Ab207999 Donkey Anti-Rabbit IgG H & L (Biotin) was used as the secondary antibody.

Staining was performed on a Leica Bond™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins, before blocking of endogenous biotin using **ab64212**. The section was then incubated with **ab6046**, 1/100 dilution, for 15 mins at room temperature, followed by ab207999, 1/2000 dilution, for 15 mins at room temperature. Detection was via an HRP conjugated ABC system and DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

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

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*



ELISA - Donkey Anti-Rabbit IgG H&L (Biotin) (ab207999)

Cross-reactivity of the polyclonal secondary antibody **ab182020** was tested using a sandwich ELISA approach. The wells were coated with the indicated IgG standards at 1 µg/ml (50 µl/well) and incubated overnight at 4°C, followed by a 5% BSA blocking step for 2h at RT. **ab182020** was then added starting at 1 µg/ml and gradually diluted 1/4 (50 µl/well), followed by incubation for 2h. For the detection Goat anti-Donkey IgG H&L (HRP) (**ab6988**) was used at 1/20,000 dilution (50 µl/well), followed by incubation for 1h at RT.

For the batch tested, ab182020 showed a cross-reactivity below 2% towards human IgG, mouse IgG, rat IgG, goat IgG and chicken IgY.

This data was developed using the unconjugated antibody (**ab182020**).

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors