abcam

Product datasheet

Goat Anti-Rat IgG H&L (HRP) ab205720

★★★★★ 1 Abreviews 11 References 5 Images

Overview

Product name	Goat Anti-Rat IgG H&L (HRP)
Host species	Goat
Target species	Rat
Specificity	The antibody used for conjugation reacts with rat immunoglobulins of all classes. Cross-reactions as determined by ELISA for the unconjugated antibody (**ab182018**): Chicken IgY, rabbit IgG and human IgG, less than 2%. Mouse IgG, less than 7%.
Tested applications	**Suitable for:** WB, IP, ELISA, IHC-P
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). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to Horse Radish Peroxidase (HRP).
Clonality	Polyclonal
Isotype	IgG

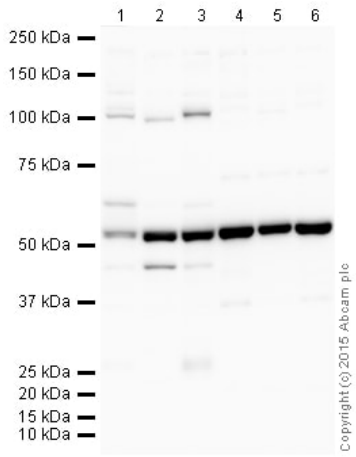
Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab205720 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)	1/2000 - 1/20000.
IP		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
IHC-P		1/1000 - 1/10000.

Images



Western blot - Goat Anti-Rat IgG H&L (HRP) (ab205720)

All lanes : Anti-Tubulin antibody [YOL1/34] - Microtubule Marker (**ab6161**) at 1 µg/ml

Lane 1 : Liver (Human) Tissue Lysate
Lane 2 : Liver (Mouse) Tissue Lysate
Lane 3 : Liver (Rat) Tissue Lysate
Lane 4 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 5 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate
Lane 6 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rat IgG H&L (HRP) (ab205720) at 1/5000 dilution

Developed using the ECL technique.

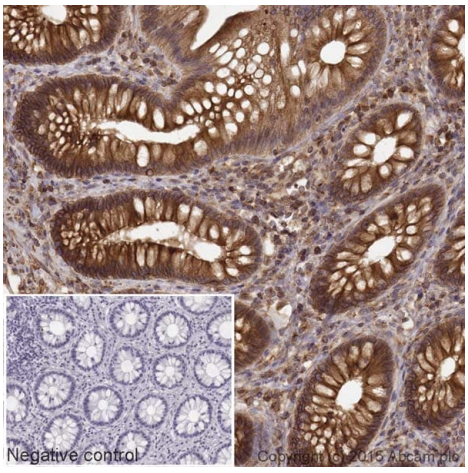
Performed under reducing conditions.

Observed band size: 54 kDa

Exposure time: 15 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes.

The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with **ab6161** overnight at 4°C. Antibody binding was detected using ab205720, and visualised using ECL development solution **ab133406**.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Goat Anti-Rat IgG H&L (HRP) (ab205720)

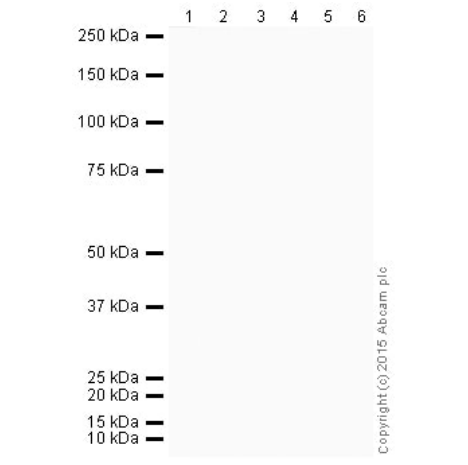
IHC image of tubulin staining in a section of formalin-fixed paraffin-embedded normal human colon*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with **ab6160** at 2ug/ml dilution. DAB was used as the chromogen (**ab103723**), diluted 1/100 and incubated for 10min at room temperature.

An HRP-conjugated secondary (Ab205720, 1/2000 dilution) was used for 1hr at room temperature.

The section was 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



Western blot - Goat Anti-Rat IgG H&L (HRP) (ab205720)

All lanes : No Primary Antibody

Lane 1 : Liver (Human) Tissue Lysate
Lane 2 : Liver (Mouse) Tissue Lysate
Lane 3 : Liver (Rat) Tissue Lysate
Lane 4 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 5 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate
Lane 6 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

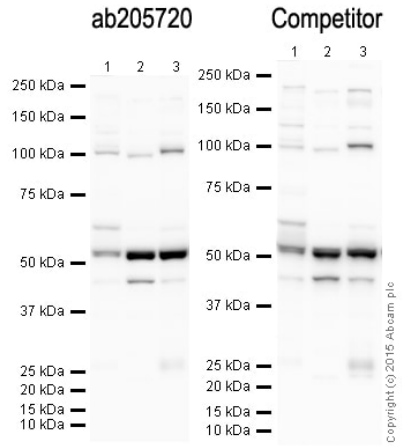
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rat IgG H&L (HRP) (ab205720) at 1/2000 dilution

Performed under reducing conditions.

Exposure time: 15 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was incubated overnight with 2% Bovine Serum Albumin at 4°C. Any non-specific background binding was assessed by incubating the membrane with only the secondary antibody (ab205720), and visualised using ECL development solution **ab133406**.



Western blot - Goat Anti-Rat IgG H&L (HRP) (ab205720)

All lanes : Anti-Tubulin antibody [YOL1/34] - Microtubule Marker (**ab6161**) at 1 µg/ml

Lane 1 : Liver (Human) Tissue Lysate
Lane 2 : Liver (Mouse) Tissue Lysate
Lane 3 : Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

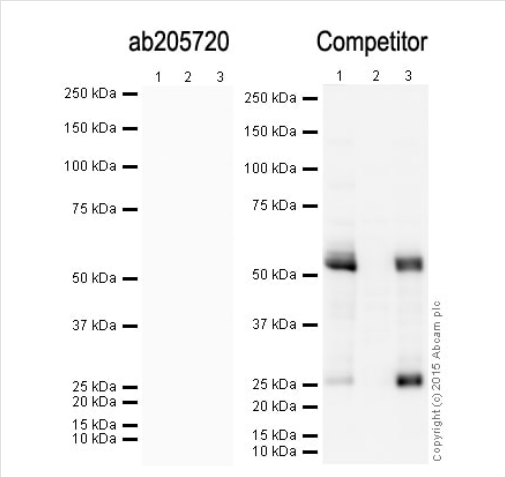
Secondary
All lanes : ab205720 (Left Image) at 1/5000 and a competitor secondary (Right Image) at 1/5000. Notice the increased background of the competitor product.

Performed under reducing conditions.

Observed band size: 54 kDa

Exposure time: 15 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with **ab6161** overnight at 4°C. Antibody binding was detected using ab205720 (Left Image) and a competitor secondary (Right Image), and visualised using ECL development solution **ab133406**.



Western blot - Goat Anti-Rat IgG H&L (HRP) (ab205720)

All lanes : No Primary Antibody

Lane 1 : Liver (Human) Tissue Lysate
Lane 2 : Liver (Mouse) Tissue Lysate
Lane 3 : Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : ab205720 (Left Image) 1/2000 and a competitor secondary (Right Image) 1/2000. Notice the increased background of the competitor product.

Performed under reducing conditions.

Exposure time: 15 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was incubated overnight with 2% Bovine Serum Albumin at 4°C. Any non-specific background binding was assessed by incubating the membrane with ab205720 (Left Image) and a competitor secondary (Right Image), and visualised using ECL development solution **ab133406**.

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