abcam

Product datasheet

Goat Anti-Mouse IgG H&L (Biotin) ab207996

3 References 5 图像

概述

产品名称	**山羊抗小鼠**IgG H&L (Biotin)
宿主	Goat
靶标种属	Mouse
特异性	The antibody used for conjugation reacts with mouse immunoglobulins of all classes. Cross-reactions as determined by ELISA for the unconjugated antibody (**ab182017**): Chicken IgY, less than 2%. Human IgG, less than 6%. Rabbit IgG, less than 7%. Rat IgG, less than 47%.
经测试应用	**适用于:** Flow Cyt, WB, ICC/IF, IHC-Fr, IP, ELISA, IHC-P
免疫原	The details of the immunogen for this antibody are not available.
偶联物	Biotin

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)
纯度	Affinity purified
纯化说明	Immunogen affinity purified - This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to Biotin.
克隆	**多克隆**
同种型	IgG

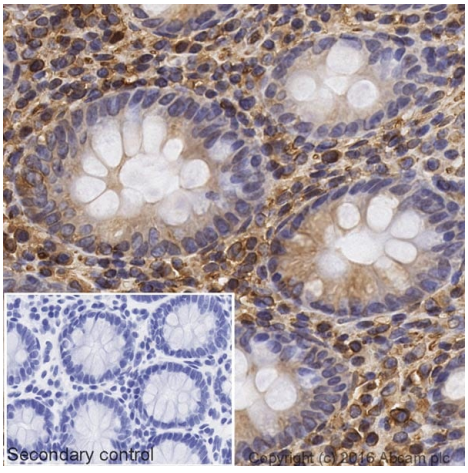
应用

The Abpromise guarantee	**Abpromise™承诺保证使用**ab207996**于以下的**经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ELISA		1/20000 - 1/200000.
IHC-P		1/200 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Goat Anti-Mouse IgG H&L (Biotin) (ab207996)

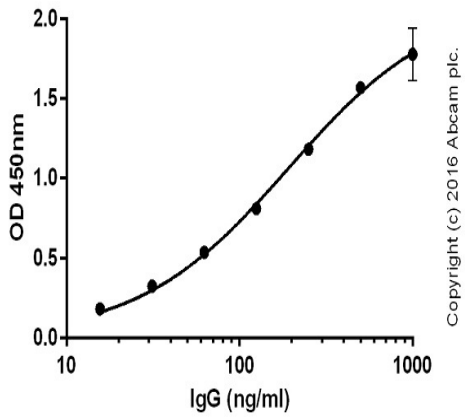
IHC image of alpha Tubulin staining in a section of formalin-fixed paraffin-embedded normal human colon tissue*. Ab207996 Goat Anti-Mouse IgG H & L (Biotin) was used as the secondary antibody.

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 **ab7291**, 1/100 dilution, for 15 mins at room temperature, followed by ab207996, 1/500 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.

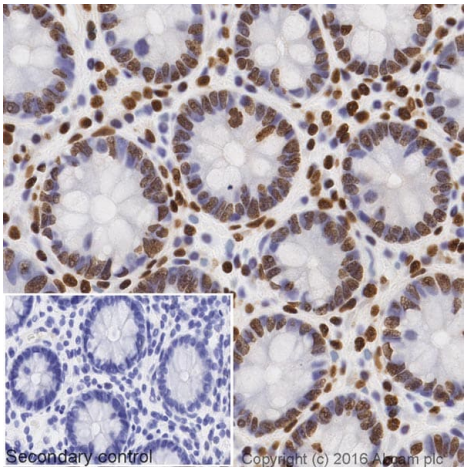
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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



ELISA - Goat Anti-Mouse IgG H&L (Biotin) (ab207996)

ab207996 was tested by direct ELISA, where wells were coated with serially diluted mouse IgG (1000 – 16 ng/ml) for 2 hours, followed by a 2 hour blocking step (5% BSA). ab207996 (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) - Goat Anti-Mouse IgG H&L (Biotin) (ab207996)

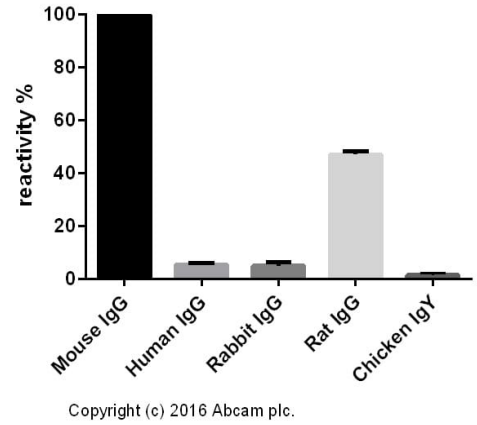
IHC image of Histone H4 staining in a section of formalin-fixed paraffin-embedded normal human colon tissue*. Ab207996 Goat Anti-Mouse IgG H & L (Biotin) was used as the secondary antibody.

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 **ab31830**, 1/100 dilution, for 15 mins at room temperature, followed by ab207996, 1/500 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*

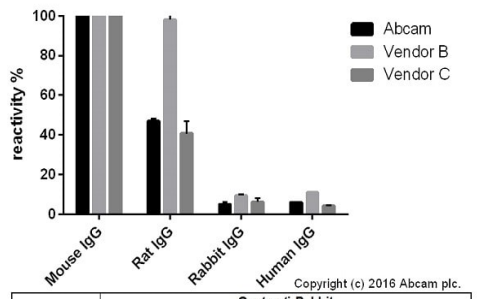


ELISA - Goat Anti-Mouse IgG H&L (Biotin) (ab207996)

Cross-reactivity of the polyclonal secondary antibody **ab182017** was tested using a sandwich ELISA approach. The wells were coated with the indicated IgG standards at 1 µg/ml (50µl/well) and incubated overnight at 4°C, followed by a 5% BSA blocking step for 2h at RT. **ab182017** was then added starting at 1 µg/ml and gradually diluted 1/4 (50 µl/well), followed by incubation for 2h. For the detection Donkey anti-Goat IgG H&L (HRP) (**ab6885**) was used at 1/10,000 dilution (50 µl/well), followed by incubation for 1h at RT.

Fot the batch tested, ab182017 showed a cross-reactivity below 2% towards Chicken IgY, 6% towards Human IgG, 7% towards Rabbit IgG and 47% towards Rat IgG.

This data was developed using the unconjugated antibody (**ab182017**).



	Goat anti-Rabbit			
	Mouse IgG	Rat IgG	Rabbit IgG	Human IgG
Abcam	100%	46-48%	4-6%	6%
Vendor B	100%	96-100%	9-10%	11%
Vendor C	100%	36-45%	5-7%	4-5%

ELISA - Goat Anti-Mouse IgG H&L (Biotin) (ab207996)

Cross-reactivity of Goat anti-Mouse IgG H&L (**ab182017**) and Goat anti-Mouse IgG H&L obtained from two different vendors was tested using a sandwich ELISA approach. The wells were coated with the indicated IgG standards (Rabbit, Human, Mouse and Rat) at 1 µg/ml (50µl/well) and incubated overnight at 4°C, followed by a 5% BSA blocking step for 2h at RT. Secondary antibodies were then added starting at 1 µg/ml and gradually diluted 1/4 (50 µl/well), followed by incubation for 2h. For the detection Donkey anti-Goat IgG H&L (HRP) (**ab6885**) was used at 1/10,000 dilution (50 µl/well), followed by incubation for 1h at RT. This data is from a representative dilution.

This data was developed using the unconjugated antibody (**ab182017**).

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.cn/abpromise** or contact our technical team.

Terms and conditions

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