abcam

Product datasheet

Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680) ab175773

18 References 3 Images

Overview

Product name	Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680)
Host species	Goat
Target species	Rabbit
Tested applications	**Suitable for:** WB
Immunogen	The details of the immunogen for this antibody are not available.
Conjugation	Alexa Fluor® 680. Ex: 679nm, Em: 702nm

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. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 23% Glycerol (glycerin, glycerine), PBS, 1% BSA
Purity	Immunogen affinity purified
Purification notes	The antibody was isolated by affinity chromatography using antigen coupled to agarose beads.
Clonality	Polyclonal
Isotype	IgG
General notes	We batch test Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680), ab175773 in fluorescent WB. Although we don't batch test for ICC, ELISA, IHC-Fr or Flow cytometry customers have had success using Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680), ab175773 in these applications. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or

prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

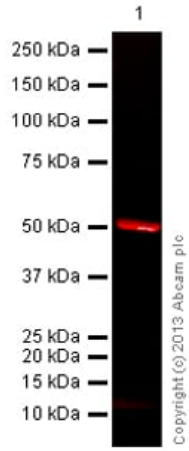
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab175773 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		1/10000.

Images



Western blot - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680) (ab175773)

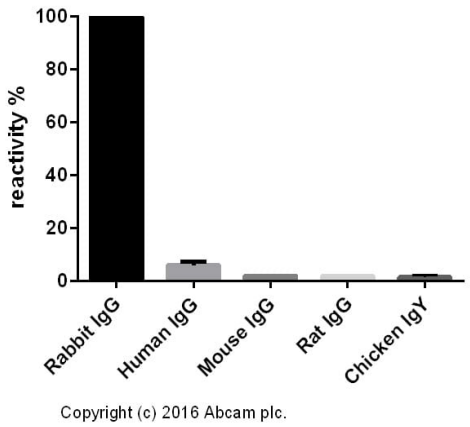
Anti-alpha Tubulin antibody - Microtubule Marker (**ab18251**) at 1 µg/ml + HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680) (ab175773) at 1/10000 dilution

Observed band size: 50 kDa

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 5% Milk before being incubated with **ab18251** overnight at 4°C. Antibody binding was detected using ab175773 at a 1:10,000 dilution for 1hr at room temperature and then imaged using the Licor Odyssey CLx.

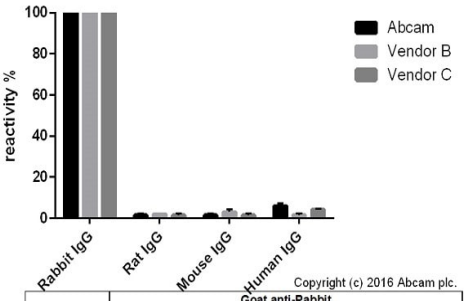


ELISA - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680) (ab175773)

Cross-reactivity of the polyclonal secondary antibody **ab182016** 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. **ab182016** 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.

For the batch tested, ab182016 showed a cross-reactivity of 5-7% towards Human IgG and below 2% towards Mouse IgG, Rat IgG and Chicken IgY.

This data was developed using the unconjugated antibody (**ab182016**).



	Goat anti-Rabbit			
	Rabbit IgG	Rat IgG	Mouse IgG	Human IgG
Abcam	100%	<2%	<2%	5-7%
Vendor B	100%	2%	4%	<2%
Vendor C	100%	<2%	<2%	4-4.5%

ELISA - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 680) (ab175773)

Cross-reactivity of Goat anti-Rabbit IgG H&L (**ab182016**) and Goat anti-Rabbit 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 (50 µl/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 (**ab182016**).

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