abcam

Product datasheet

Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) ab150080

★★★★★ 3 Abreviews 592 References 画像数 6

製品の概要

製品名	Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594)
由来種	Goat
ターゲット生物種	Rabbit
アプリケーション	**適用あり:** IHC-Fr, ICC/IF, ELISA, IHC-P, Flow Cyt
免疫原	Other Immunogen Type corresponding to Rabbit IgG.
標識	Alexa Fluor® 594. Ex: 590nm, Em: 617nm

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.02% Sodium azide Constituents: 23% Glycerol (glycerin, glycerine), PBS, 1% BSA
精製度	Immunogen affinity purified
特記事項（精製）	The antibody was isolated by affinity chromatography using antigen coupled to agarose beads.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG
特記事項	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

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アプリケーション

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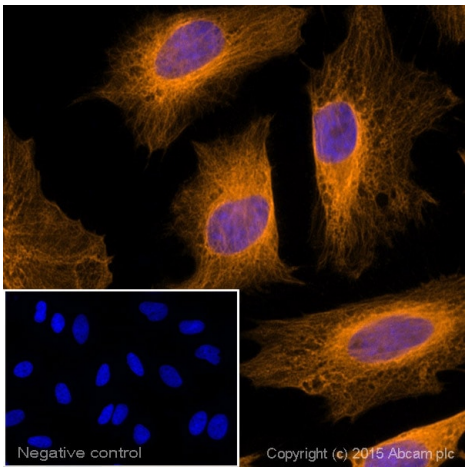
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF		1/200 - 1/1000.
ELISA		Use at an assay dependent concentration. Use at an assay dependent dilution
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Use at an assay dependent dilution
Flow Cyt		1/2000 - 1/4000.

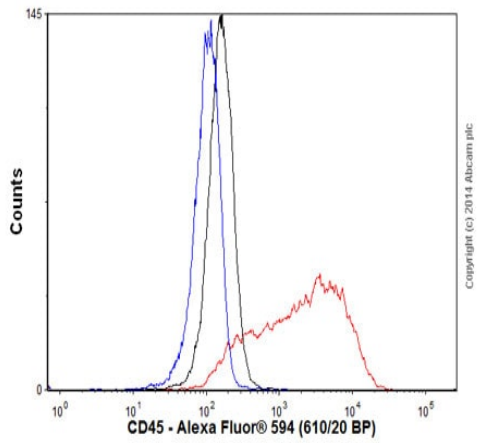
画像



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

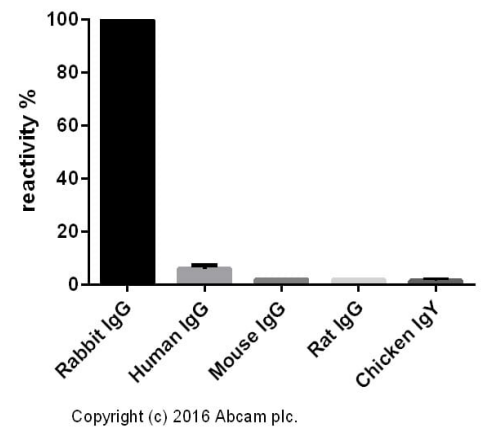
ICC/IF image of **ab6046** stained HeLa cells. The cells were 4% formaldehyde fixed (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then incubated in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to block non-specific protein-protein interactions. The cells were then incubated with the primary antibody (**ab6046**, 5µg/ml) overnight at +4°C. The secondary antibody (orange) was ab150080 Alexa Fluor® 4594 goat anti-rabbir IgG (H+L) used at 2µg/ml for 1h.DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

The negative control (inset) is a secondary-only assay to demonstrate low non-specific binding of the secondary antibody.



Flow Cytometry - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

Overlay histogram showing Jurkat cells stained with **ab40763** (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (**ab40763**, 1/1000 dilution) for 30 min at 22°C. The secondary antibody Goat anti-rabbit IgG H&L (Alexa Fluor® 594) (ab150080) was used at 1/4000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monclonal) (**ab172730**, 0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 561nm laser and 610/20 bandpass filter.

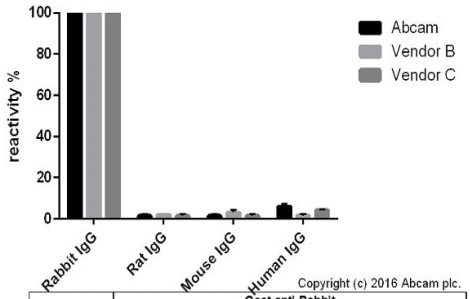


ELISA - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

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**).

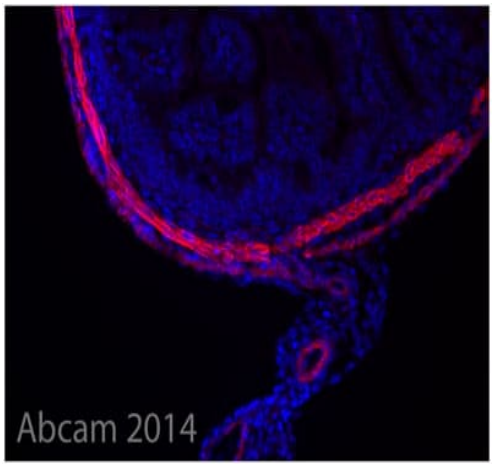


	Goat anti-Rabbit			
	Rabbit IgG	Rat IgG	Mouse IgG	Human IgG
Abcam	100%	<2%	<2%	5-7%
Vendor B	100%	2%	4%	<2%
Vendor C	100%	<2%	<2%	4-4.5%

ELISA - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

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.

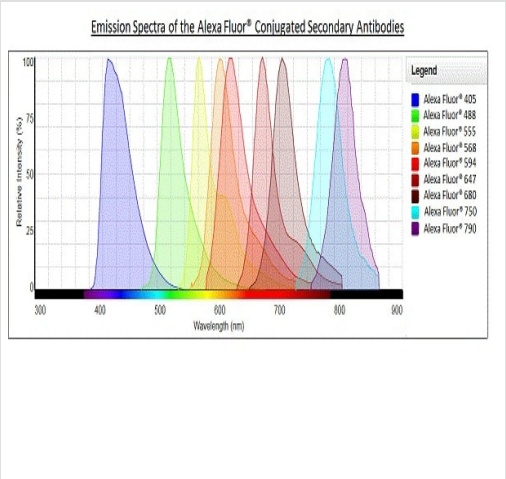
This data was developed using the unconjugated antibody (**ab182016**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

This image is courtesy of an anonymous abreview.

IHC-P image of alpha smooth muscle actin (**ab5694**) staining E16.5 mouse embryo gut. Paraformaldehyde fixed and paraffin embedded E16.5 mouse embryo gut sections were dewaxed and rehydrated before antigen retrieval (4 mins in a pressure cooker in 10mM Tris/0.4mM EDTA buffer pH 9.5). They were then incubated in 50mM NH_4Cl for 30 minutes and washed/blocked in 3x 10 minute washes of PBS containing 1% BSA + 0.2% gelatine and 0.05% saponin. Sections were incubated overnight with a primary antibody against alpha smooth muscle actin (**ab5694**), diluted 1/250 in PBS containing 0.1% BSA and 0.3% triton. After 3 x 10 minute washes in of PBS containing 0.1% BSA, 0.2% gelatine and 0.05% saponin, the sections were incubated for 1 hr in the secondary antibody (ab150080, diluted 1/400, shown in red) and then the 3 washes repeated. Sections were mounted in Vectashield with DAPI (blue).



Alexa Fluor® - Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (ab150080)

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