

Product datasheet

Goat Anti-Rat IgG H&L (Alexa Fluor® 405) ab175671

6 References 2 Images

Overview

Product name	Goat Anti-Rat IgG H&L (Alexa Fluor® 405)
Host species	Goat
Target species	Rat
Specificity	This antibody is specific to Rat IgG
Tested applications	Suitable for: IHC-Fr, ICC/IF, Flow Cyt, IHC-P, ELISA
Immunogen	The details of the immunogen for this antibody are not available.
Conjugation	Alexa Fluor® 405. Ex: 402nm, Em: 421nm

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	This antibody was isolated by affinity chromatography using antigen coupled to agarose beads.
Clonality	Polyclonal
Isotype	IgG
General notes	We recommend storage time at 4°C should be minimal, since this may affect the signal strength. 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: (i) to provide a service, information, or data in return for payment (ii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research.

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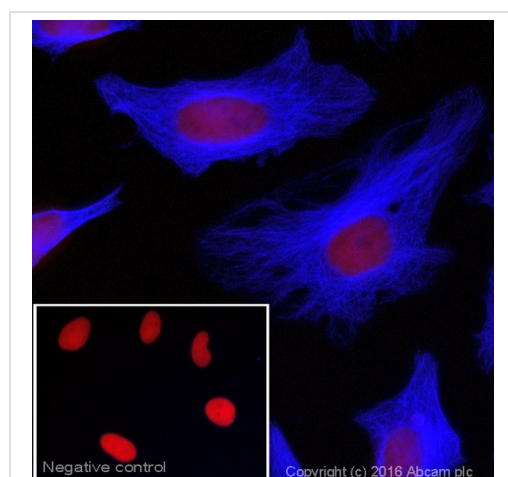
Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab175671 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
IHC-Fr		Use at an assay dependent concentration.
ICC/IF		1/200 - 1/1000. We recommend the use of a dedicated 405 filter for optimal results not the DAPI filter. The DAPI filter may not excite until the maximum emission peaks of Alexa Fluor® 405 dye (see difference below) Ex max: Alexa Fluor® 405 = 402nm / DAPI = 359nm Em max: Alexa Fluor® 405 = 421nm / DAPI = 461nm
Flow Cyt		1/2000.
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

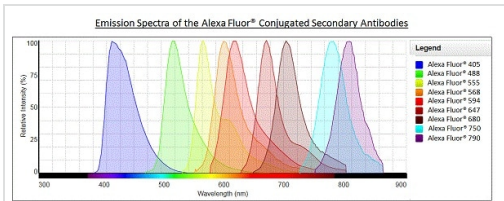
Images



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rat IgG H&L (Alexa Fluor® 405) (ab175671)

ICC/IF image of [ab6160](#) stained HeLa cells. The cells were 100% methanol fixed (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes, blocked with Image-iT® FX Signal Enhancer at room temperature for 30 min and then incubated in 1% BSA / 10% normal goat 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 antibody ([ab6160](#), 2µg/ml) overnight at +4°C. The secondary antibody (blue) was ab175671 Alexa Fluor® 405 goat anti-rat IgG (H+L) used at 1µg/ml for 1h. DRAQ5 ([ab108410](#)) was used to stain the cell nuclei (red) at a concentration of 1.25µM.

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



Alexa Fluor® - Goat Anti-Rat IgG H&L (Alexa Fluor® 405) (ab175671)

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