

## Product datasheet

# Donkey Anti-Rat IgG H&L (Alexa Fluor® 405) preadsorbed ab175670

[16 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Donkey Anti-Rat IgG H&L (Alexa Fluor® 405) preadsorbed
<b>Host species</b>	Donkey
<b>Target species</b>	Rat
<b>Specificity</b>	By immunoelectrophoresis and ELISA this antibody reacts specifically with rat IgG and with light chains common to other rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. This antibody may cross react with IgG from other species.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, ICC/IF, IHC-P, ELISA, IHC-Fr
<b>Minimal cross-reactivity</b>	Human, Mouse <a href="#">more details</a>
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Conjugation</b>	Alexa Fluor® 405. Ex: 402nm, Em: 421nm

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: 23% Glycerol (glycerin, glycerine), PBS, 1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antiserum was cross adsorbed using human and mouse immunosorbents to remove cross reactive antibodies. The antibody to rat IgG was isolated by affinity chromatography using antigen coupled to agarose beads.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>General notes</b>	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

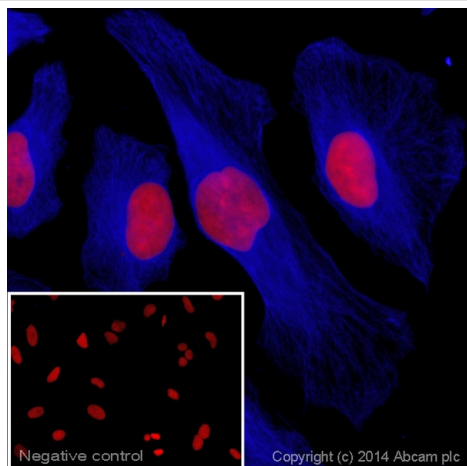
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## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab175670 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
Flow Cyt		1/2000.
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
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

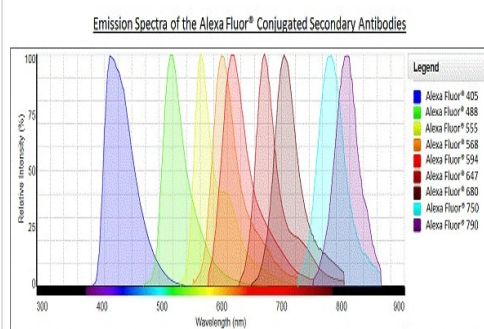
## Images



Immunocytochemistry/ Immunofluorescence -  
Donkey Anti-Rat IgG H&L (Alexa Fluor® 405)  
preadsorbed (ab175670)

ICC/IF image of **ab6160** stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and 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 ab175670 Alexa Fluor® 405 Donkey polyclonal Secondary Antibody to Rat IgG - H&L pre-adsorbed, 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® - Donkey Anti-Rat IgG H&L (Alexa  
Fluor® 405) preadsorbed (ab175670)

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