abcam

Product datasheet

# Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed ab150165

★★★★★ 1 Abreviews 69 References 画像数 7

## 製品の概要

| | |
|---|---|
| **製品名** | Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed |
| **由来種** | Goat |
| **ターゲット生物種** | Rat |
| **特異性** | By immunoelectrophoresis and ELISA this antibody reacts specifically with rat IgG and with light chain common to other rat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to bovine, chicken, human, mouse, rabbit and sheep IgG was detected. This antibody may cross react with IgG from other species. |
| **アプリケーション** | **適用あり:** ICC/IF, Flow Cyt, ELISA, IHC-P, IHC-Fr |
| **吸着処理血清** | Chicken, Cow, Human, Mouse, Rabbit, Sheep **more details** |
| **免疫原** | The details of the immunogen for this antibody are not available. |
| **標識** | Alexa Fluor® 488. Ex: 495nm, Em: 519nm |

## 製品の特性

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|---|---|
| **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<br>Constituents: 23% Glycerol (glycerin, glycerine), PBS, 1% BSA |
| **精製度** | Immunogen affinity purified |
| **特記事項(精製)** | Antiserum was cross adsorbed using bovine, chicken, human, mouse, rabbit and sheep immunosorbents to remove cross reactive antibodies. The antibody to rat IgG 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 |

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## アプリケーション

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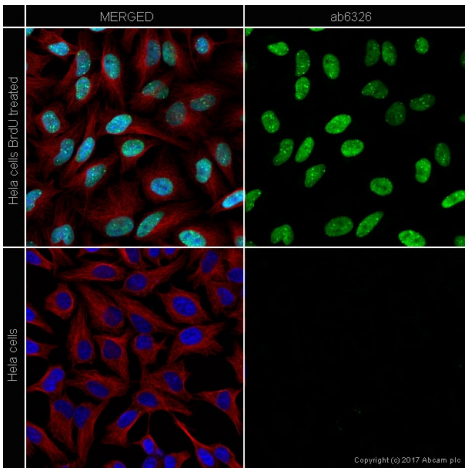
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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

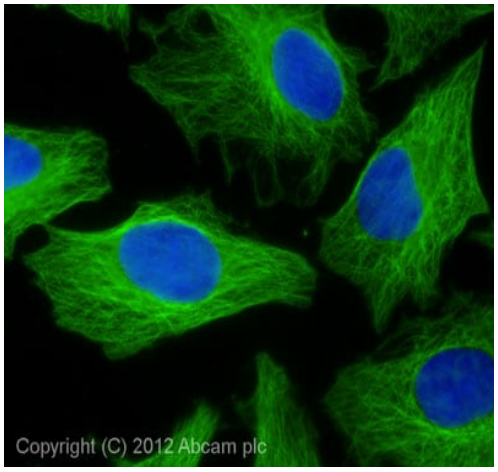
## 画像




Immunocytochemistry/ Immunofluorescence - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

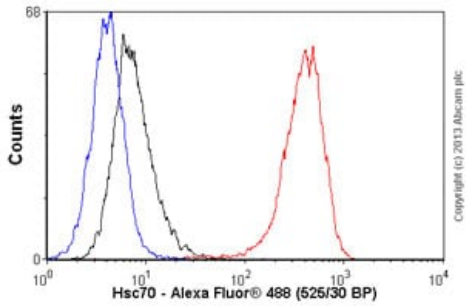
**ab6326** staining BrdU in Hela cells. Untreated and BrdU treated (10uM for 24 hours) cells. The cells were fixed with 100% methanol (5 min) and then subjected to acid hydrolysis using 2M HCL in 0.1% PBS-Tween for 30 minutes at room temperature to denature the DNA. They were then permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1hr. The cells were then incubated overnight at 4°C with **ab6326** at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with ab150165, Goat polyclonal Secondary Antibody to Rat IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired

with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



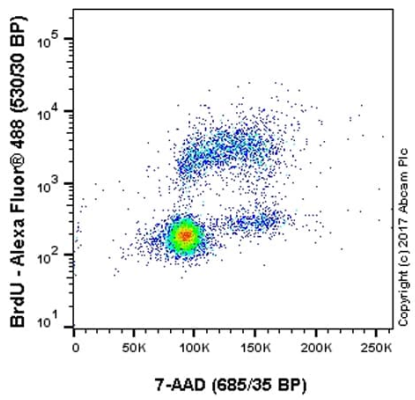

Immunocytochemistry/ Immunofluorescence - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

ICC/IF image of **ab6160** stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat 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 (green) was ab150165 Alexa Fluor® 488 goat anti-rat IgG (H&L) used at 2µg/ml for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



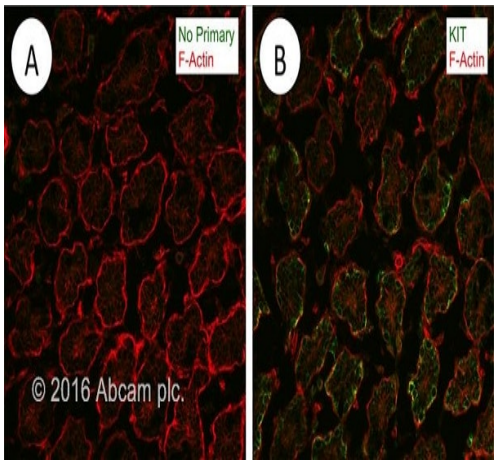

Flow Cytometry - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

Overlay histogram showing HeLa cells stained with **ab19136** (red line). The cells were fixed with 80% methanol (5 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 (**ab19136**, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rat IgG (H&L) at 1/2000 dilution for 30 min at 22ºC. Isotype control antibody (black line) was rat IgG2a [aRTK2758] (**ab18450**, 2µg/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 20mW Argon ion laser (488nm) and 525/30 bandpass filter.




Flow Cytometry - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

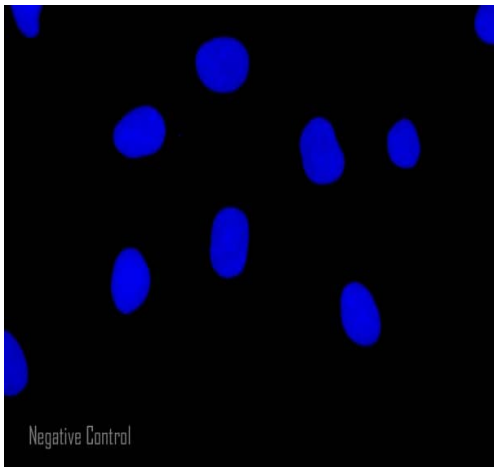
Dot plot showing BrdU-treated HeLa cells stained with **ab6326**. Cells were incubated with 10 µM BrdU for 30 minutes prior to being harvested, washed twice in 1x PBS and fixed in 70% ethanol (4°C, added drop-wise) for at least 30 minutes on ice. Once fixed, pellets were acid denatured with 2M HCl for 30 minutes at 22°C and then neutralised with borate buffer (0.1M, pH8.5).
Samples were washed and incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (**ab6326**, 1µg/1x106 cells) for 30 min at 22°C. The secondary antibody used was Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165) at 1/2000 dilution for 30 min at 22°C.
7-AAD was added to cells 20 min prior to data acquisition. Acquisition of >5,000 events were collected using a 50 mW Blue laser (488nm) with 530/30 and 685/35 bandpass filters.




Immunohistochemistry (Frozen sections) - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

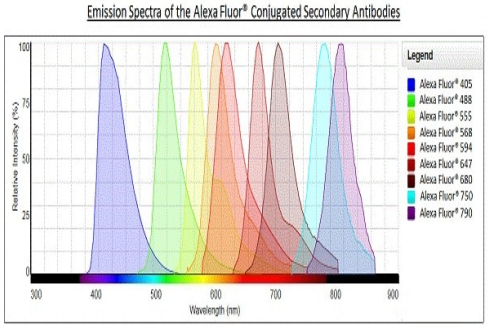
This image is courtesy of an Abreview submitted by Bryan Niedenberger

Postnatal day 6 mouse testes were fixed with 4% paraformaldehyde. Tissue was embedded in O.C.T. and frozen. 5 micron sections were cut and transferred to slides. Sections were permeabilized with 0.1% Triton X-100 in PBS, and blocked with 3% BSA in 0.1% Triton X-100 + PBS. Sections were incubated with either (A) no primary antibody or (B ) anti-KIT (**ab65525**) for 1 h at RT. Sections were then washed 3X with 0.1% Triton X-100 in PBS and Goat-Anti Rat 488 (ab150165) applied at a 1/500 dilution. Sections were then mounted after washing 3X with 0.1% Triton X-100 in PBS.




Immunocytochemistry/ Immunofluorescence - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

HeLa cells showing negative staining by ICC/IF using only secondary antibody. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The secondary antibody (green) was ab150165 Alexa Fluor® 488 goat anti-rat IgG (H&L) used at 2µg/ml for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.




Alexa Fluor® - Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165)

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