abcam

Product datasheet

Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed ab96899

129 References 7 Images

Overview

Product name	Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed
Host species	Goat
Target species	Rabbit
Specificity	By immunoelectrophoresis and ELISA this antibody reacts specifically with rabbit IgG and with light chains common to other rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Reduced cross-reactivity to bovine, chicken, goat, horse, human, mouse, pig and rat IgG was detected.
Tested applications	**Suitable for:** IHC-P, ICC/IF, Flow Cyt, WB
Minimal cross-reactivity	Chicken, Cow, Goat, Horse, Human, Mouse, Pig, Rat **more details**
Conjugation	DyLight® 488. Ex: 493nm, Em: 518nm

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.2% BSA, PBS
Purity	Immunogen affinity purified
Purification notes	Antiserum was cross absorbed using bovine, chicken, horse, human, mouse, pig and rat immunosorbents to remove cross reactive antibodies. This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to DyLight® 488.
Clonality	Polyclonal
Isotype	IgG

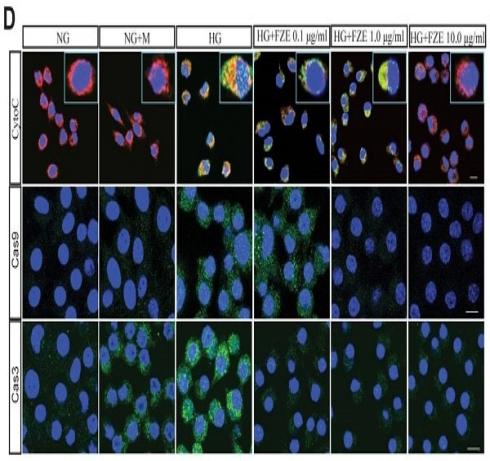
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab96899 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-P		1/50 - 1/500.
ICC/IF		1/50 - 1/500.
Flow Cyt		1/500.
WB		1/1000 - 1/20000. Predicted molecular weight: 36 kDa. 5% non-fat dry milk in PBST or TBST is recommended for blocking and incubation of antibodies. BSA is not recommended.

Images

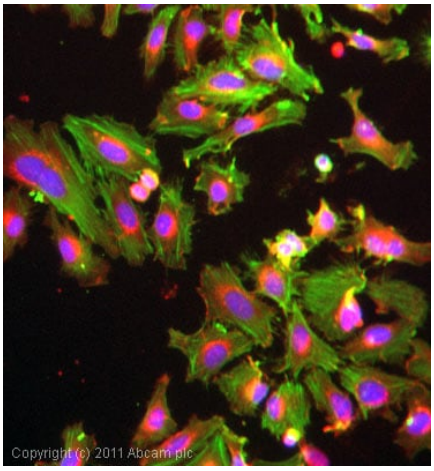


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

Han et al PLoS One. 2014 Jan 23;9(1):e86539. doi: 10.1371/journal.pone.0086539. eCollection 2014. Fig 5. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

Effects of FZE on apoptotic ratio and apoptotic factors in RSC96 cells.

Effects of FZE on translocation of CytoC and the levels of caspase9 and caspase3. The cells were fixed with 4% paraformaldehyde for 15 minutes at 20°C, permeated with 0.3% triton prior to being blocked in 1% BSA+2% normal goat serum for 30 min at 20°C. Samples were then incubated with primary antibody overnight at 4°C in PBS containing. ab96899 diluted at 1□200 was used as the secondary antibody. Cell nucleus were counterstained with DAPI and showed blue. Mitochondria were labeled by Mito tracker and showed red.

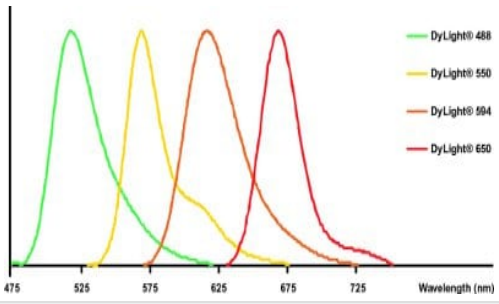


Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

ICC/IF image of (**ab3280**) stained HeLa (Human epithelial cell line from cervix adenocarcinoma) cells.

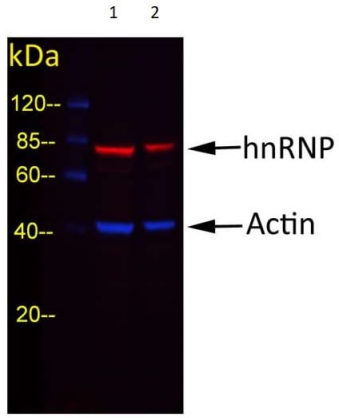
The cells were fixed in 100% methanol (5 min) and then incubated in 1% BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1 h to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab3280**, 5 µg/ml) overnight at +4°C.

The secondary antibody (green) was DyLight® 488 goat anti-mouse IgG - H&L, pre-adsorbed (**ab96879**) used at a 1/250 dilution for 1 h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1 h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.



Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

Emission spectra of DyLight® fluorochromes available in our catalog.
Line colors represent the approximate visible colors of the wavelength maxima.



Western blot - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

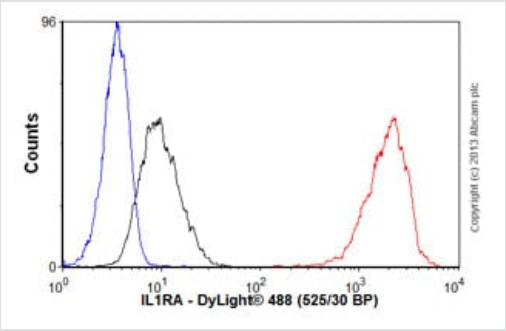
All lanes : Cocktail of rabbit anti-Actin and mouse anti-hnRNP at 1 µg/ml

All lanes :

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899) at 0.5 µg/ml (Cocktail of Dylight® 488-conjugated goat anti-rabbit ab96899 (blue) and Dylight® 680-conjugated goat anti-mouse (red))

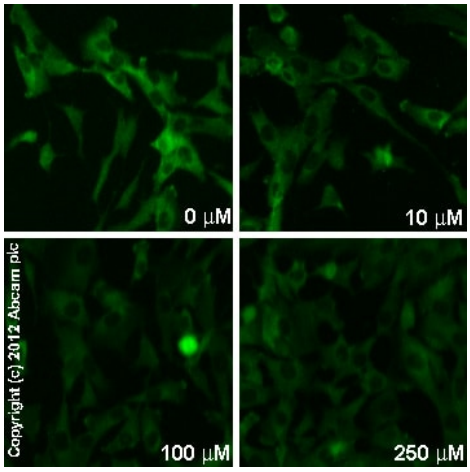
Predicted band size: 36 kDa

Exposure time: 42 seconds



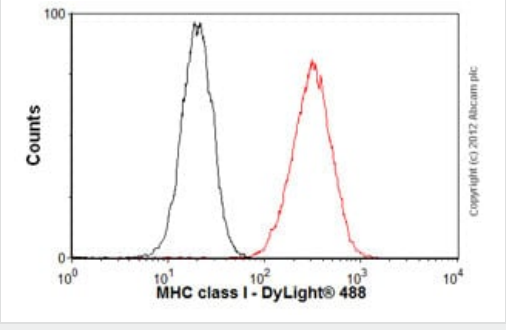
Flow Cytometry - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

Overlay histogram showing A431 cells stained with unpurified **ab124962** (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 (unpurified **ab124962**, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x106 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.



Immunocytochemistry/ Immunofluorescence - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

ab96379 staining MEK1 (phospho S298) in SK-N-SH cells treated with CNQX (**ab120017**), by ICC/IF. Decrease in MEK1 (phospho S298) expression correlates with increased concentration of CNQX, as described in literature.
The cells were incubated at 37°C for 24h in media containing different concentrations of **ab120017** (CNQX) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab96379** (1/100 dilution) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (ab96899) at 1/250 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Goat Anti-Rabbit IgG H&L (DyLight® 488) preadsorbed (ab96899)

Overlay histogram showing Raji cells stained with **ab52922** (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 (**ab52922**, 1/100) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x106 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Raji cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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