

Anti-Rabbit IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 488 Conjugate)

✓ 250 µl



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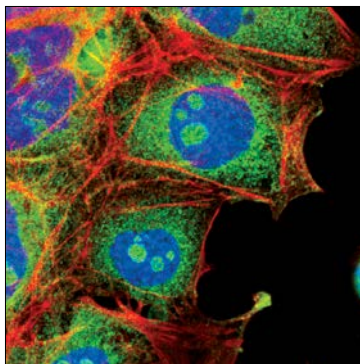
rev. 11/06/17

For Research Use Only. Not For Use In Diagnostic Procedures.

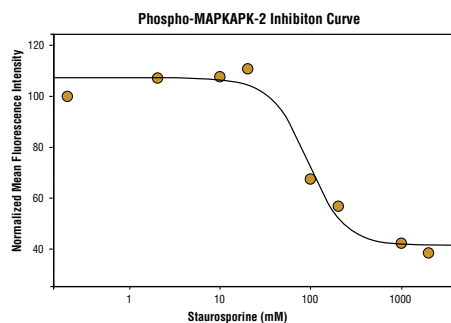
Description: Anti-Rabbit IgG (H+L) F(ab')₂ Fragment was conjugated to Alexa Fluor® 488 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab')₂ fragment results in less non-specific binding to cells through Fc receptors.

Background: This product has been optimized for use as a secondary antibody in immunofluorescent applications. Fluorescent anti-species IgG conjugates are ideal for flow cytometry and immunofluorescence. Cell Signaling Technology's strict quality control procedures assure that each conjugate provides optimal specificity and fluorescence.

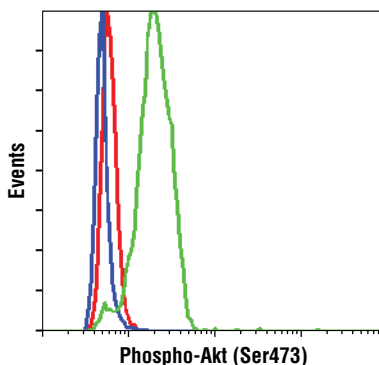
Specificity/Sensitivity: F(ab')₂ fragments are prepared from goat antibodies that have been adsorbed against pooled human serum, mouse serum, plasmacytoma/hybridoma proteins and purified human paraproteins.



Confocal immunofluorescent analysis of P19 cells using LIN28A (A177) Antibody #3978 detected with Anti-Rabbit IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 488 Conjugate) (green). Actin filaments have been labeled with DyLight™ 554 Phalloidin #13054 (red). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).



High content analysis of HeLa cells exposed to varying concentrations of staurosporine for 3hr. With increasing concentrations of staurosporine, a significant decrease (~2.5 fold) in phospho-MAPKAPK-2 signal as compared to the untreated control was observed. When using phospho-MAPKAPK-2 as a measurement, the IC₅₀ of this compound was 92.5 mM. Data were generated on the Acumen® HCS platform using Anti-Rabbit IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 488 Conjugate).



Flow cytometric analysis of Jurkat cells, untreated (green) or treated with LY294002 #9901, Wortmannin #9951 and U0126 #9903 (blue), using Phospho-Akt (Ser473) (D9E) Rabbit mAb #4060 detected with Anti-Rabbit IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 488 Conjugate) and compared to a nonspecific negative control antibody (red).

Storage: Supplied in 0.1 M sodium phosphate, 0.1 M sodium chloride, pH 7.5, 5 mM sodium azide. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.

Directions for Use: The optimal dilution of the anti-species antibody should be determined for each primary antibody by titration. However, a final dilution of 1:500 – 1:2000 should yield acceptable results for immunofluorescent and flow cytometry assays.

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com

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