



Cell Signaling
TECHNOLOGY®

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Store at 4°C

#4412

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

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

Applications:
IF-IC, F

Source/Isotype:
Goat

Product Usage Information

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.

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.*

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.

Product 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 product results in less non-specific binding, as it lacks the Fc domain that can bind to the cells with 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.

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

IMPORTANT: For primary antibodies recommended for western blotting applications, we recommend incubating the membrane with diluted antibody at 4°C with gentle shaking overnight. Please refer to the western blot protocol found on the product web page for the antibody-specific diluent recommendation.

APPLICATIONS KEY WB: Western Blot IP: Immunoprecipitation IHC: Immunohistochemistry ChIP: Chromatin Immunoprecipitation IF: Immunofluorescence F: Flow Cytometry E-P: ELISA-Peptide

CROSS-REACTIVITY KEY H: human M: mouse R: rat Hm: hamster Mk: monkey Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Cø: C. elegans Hr: horse All: all species expected

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