

F(ab')₂-Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555

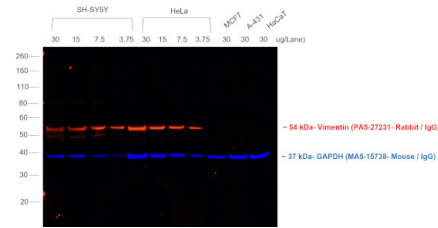
Product Details	
Size	500 µg
Species Reactivity	Rabbit
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 555
Excitation/Emission Max	553/568 nm
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Liquid
Concentration	2 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.5
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2535851

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000-1:10,000	-
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	0 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	0 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	0 Publication
Immunocytochemistry (ICC/IF)	1:500-1:2,000	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

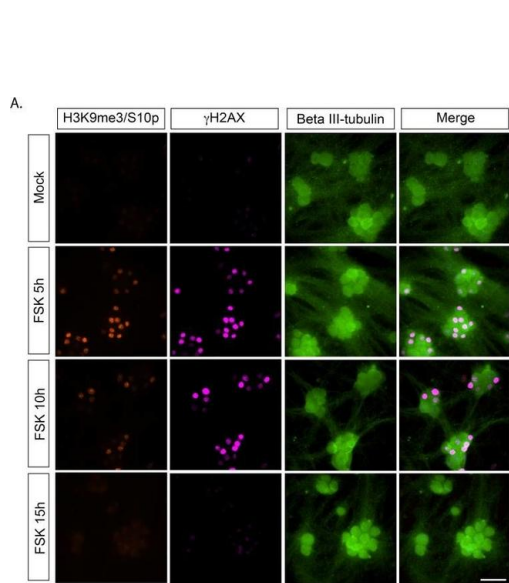
Product Specific Information

Product will be shipped at Room Temperature.

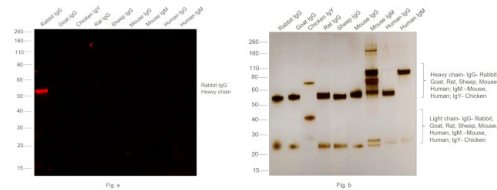
Product Images For F(ab')2-Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21430) in WB
Multiplexed fluorescent western blot was performed using F(ab)2-Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 555 (Product # A-21430). Whole cell extracts of SH-SY5Y (Lane 1, 2, 3, 4), HeLa (Lane 5, 6, 7, 8), MCF7 (Lane 9), A-431 (Lane 10), HaCaT (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Vimentin Polyclonal Antibody (Product # PA5-27231) and GAPDH Loading Control Monoclonal Antibody (GA1R) (Product # MA5-15738). Secondary antibodies (Product # A-21430, 1:10,000 and Product # A32789, 1:20,000) were used for detection of Vimentin and GAPDH respectively, using the iBright™ FL 1500 (Product # A44115). The F(ab)2-Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 555 (Product # A-21430) specifically detects the vimentin rabbit primary antibody.



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21430) in ICC/IF
Forskolin induces hyperexcitability-associated chromatin changes, and hsv reactivation that requires histone demethylase. (A) SCG neurons were treated with forskolin and immunofluorescence staining was carried out for H3K9me3 /S10p, the DNA damage marker H2AX and the neuronal marker beta III-tubulin. (B) Quantification of neuronal nuclear staining intensity for H3K9me3 (>150 cells /condition). (C) Quantification of neuronal nuclear staining for H2AX. In B and C data are plotted around the median and whiskers represent the 2.5-97.5 percentile range. (D). Western blotting for pS475-AKT, total AKT, pS73-c-Jun and tubulin at 15 hr post-treatment with the PI3-kinase inhibitor LY294002 (20 μM) or forskolin (60 μM) (E). Effect of the LSD1 inhibitors OG-L002 (15 μM) and S 2101 (20μM) on forskolin-mediated reactivation measured by Us11-GFP-positive neurons (F). Effect of the JMJD3 and UTX inhibitor GSK-J4 (2 μM) on forskolin-mediated reactivation measured by Us11-GFP-positive neurons (G). Statistical comparisons were made using a one-way ANOVA with a Tukey's multiple comparison. *p<0.05, **p<0.01, ***p<0.001 (E, F). In E and F individual experimental replicates are shown along with the mean and SEM. Figure 3—figure supplement 1—source data 1. Quantification of nuclear staining intensity and GFP-positive neurons Figure 3—figure supplement 1. Quantification of nuclear stain... Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/33350386>), licensed under a CC BY license.



Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody (A-21430)
Specificity of secondary antibody was demonstrated by specific detection of the target immunoglobulin. Antibody specificity was demonstrated by specific detection of Rabbit IgG. A band at ~55 kDa corresponding to Rabbit IgG Heavy Chain was observed in Rabbit IgG but not in other species using F(ab)2-Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555 (Product # A-21430) in Western Blot. {RE}

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