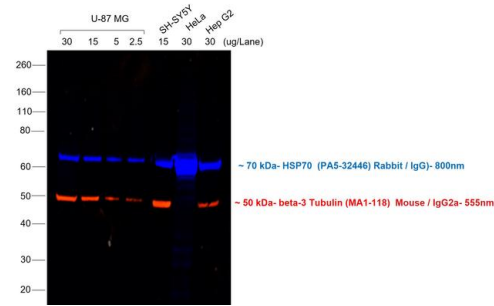


Goat anti-Mouse IgG2a Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555

Product Details	
Size	500 µg
Species Reactivity	Mouse
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor™ 555
Excitation/Emission Max	553/568 nm
Immunogen	Mouse IgG2a
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_2535776

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000	-
Immunohistochemistry (IHC)	1-10 µg/mL	0 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	0 Publication
Flow Cytometry (Flow)	1-10 µg/mL	-
Miscellaneous PubMed (Misc)	-	0 Publication

Product Specific Information
Product will be shipped at Room Temperature.

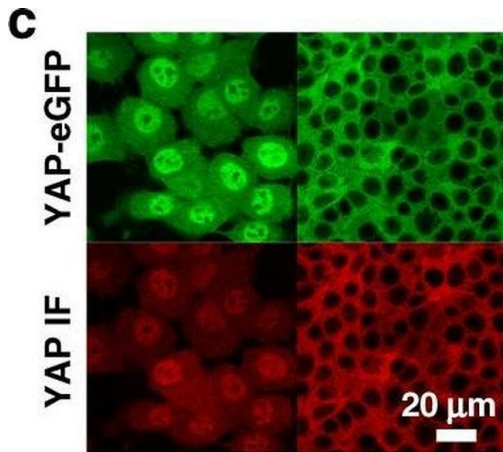


Mouse IgG2a Cross-Adsorbed Secondary Antibody (A-21137) in WB

Multiplexed fluorescent western blot was performed using Goat anti-Mouse IgG2a Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555 (Product # A-21137). Whole cell extracts of U-87 MG (Lane 1, 2, 3, 4), SH-SY5Y (Lane 5), HeLa (Lane 6) and Hep G2 (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP03222BOX). Resolved proteins were transferred onto nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with beta-3 Tubulin mouse IgG2a Monoclonal Antibody (Product # MA1-118) and HSP70 Polyclonal Antibody (Product # PA5-32446). Secondary antibodies (Product # A-21137, 1:10,000) and (Product # A32808, 1:20,000) were used for detection of beta-3 Tubulin and HSP70 respectively. Fluorescent detection was performed using iBrightFL1500 (Product # A44115). The anti-mouse secondary antibody (Product # A-21137) specifically detects the mouse primary antibody but not the rabbit primary antibody.

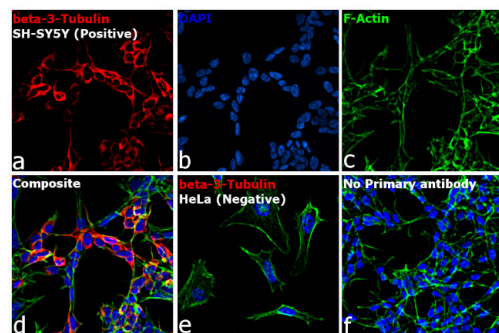
Mouse IgG2a Cross-Adsorbed Secondary Antibody (A-21137) in ICC/IF

Characterization of YAP and TEAD genome-knockin cell lines. a Cartoon of CRISPR-Cas9 based insertion of eGFP-P2A-puromycin cassette at 3' end of the YAP gene. b western blot against eGFP from MCF10AYAP-GFP-KI whole cell lysate. Single predominant band at the predicted YAP-eGFP fusion size 96 kDa. Repeated twice with similar results. c Correlation of the YAP nuclear/cytoplasmic ratio (N/C) signal for YAP-eGFP and anti-YAP immunofluorescence in sparse and dense cultures. Nsparse = 61 cells, Ndense = 155 cells from one experiment. Repeated twice with similar results. d Representative Immunofluorescence images of data from c. e MCF10AYAP-GFP-KI cells plated on soft (0.4 kPa) and stiff (60 kPa) acrylamide showing altered cell morphology and YAP localization. Cells were counterstained with the live-cell nuclear stain, SiR-DNA™. f Quantitative comparison of YAP-eGFP N/C on fibronectin coated acrylamide of varying stiffnesses. N0.4 kPa = 834, N1 kPa = 818, N6 kPa = 1386, N60 kPa = 647 cells. A one-sided Mann-Whitney U-test was used to test differences in YAP N/C. 0.4 kPa vs. 1 kPa: 5.8×10^{35} , Ranksum = 570,253. 1 kPa vs. 6 kPa: $p = 5.3 \times 10^{97}$, Ranksum = 600,652. 6 kPa vs. 60 kPa: $P = 1.452 \times 10^{16}$, Ranksum = 1,308,747. Data compiled from two independent experiments for each condition. g Time-course of YAP N/C normalized to initial value following Latrunculin B treatment at 0.5 µg/mL (1... Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32917893>), licensed under a CC BY license.



Mouse IgG2a Cross-Adsorbed Secondary Antibody (A-21137) in ICC/IF

Immunofluorescence analysis of Goat anti-Mouse IgG2a Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555 (Product # A-21137) was performed using SH-SY5Y (positive model) and HeLa (negative model) cells stained with beta-3 Tubulin Monoclonal Antibody (Product # MA1-118). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with 2 µg/mL primary antibody for 3 hours at room temperature. Goat anti-Mouse IgG2a Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555 (Product # A-21137, 1:2000) in 0.1% BSA in PBS for 45 minutes at room temperature, was used for detection of beta-3 Tubulin in the cytoskeleton (Panel a: red). Nuclei (Panel b: blue) were stained with Hoechst33342 (Product # H1399). F-actin was stained with Alexa Fluor® 488 Phalloidin (Product # A12379, 1:300) (Panel c: green). Panel d represents the composite image. The specificity of the secondary antibody was proved by the absence of signal in HeLa (negative model for beta 3 Tubulin) due to no primary antibody binding (Panel e). Nonspecific staining was not observed with secondary antibody alone (panel f). The images were captured at 20X magnification.



Identification of hippocampal area CA2 in hamster and vole brain. J Comp Neurol (2024)

Extracellular lipidosomes containing lipid droplets and mitochondria are released during melanoma cell division. Cell Commun Signal (2024)

SOX2 and SOX9 Expression in Developing Postnatal Opossum (*Monodelphis domestica*) Cortex. Biomolecules (2024)

Rare genetic variation in Fibronectin 1 (FN1) protects against APOEε4 in Alzheimer's disease bioRxiv (2024)

Ryanodine Receptor Staining Identifies Viable Cardiomyocytes in Human and Rabbit Cardiac Tissue Slices. Int J Mol Sci (2023)

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