

RAP1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein of human RAP1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2720044

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

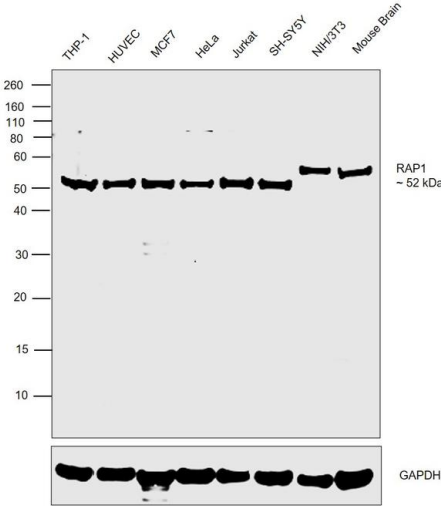
Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Product Images For RAP1 Polyclonal Antibody

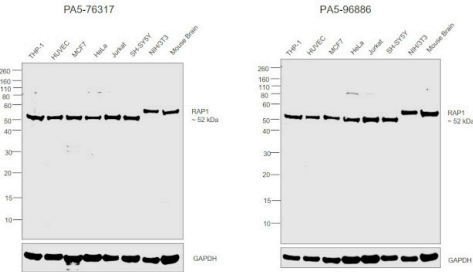
RAP1 Antibody (PA5-76317) in WB

Western blot was performed using Anti-RAP1 Polyclonal Antibody (Product # PA5-76317) and a 52 kDa band corresponding to Telomeric repeat-binding factor 2-interacting protein 1 was observed across the cell lines and tissues tested. Modified whole cell extracts (1% SDS) (30 µg lysate) of THP-1 (Lane 1), HUVEC (Lane 2), MCF7 (Lane 3), HeLa (Lane 4), Jurkat (Lane 5), SH-SY5Y (Lane 6) and NIH/3T3 (Lane 7) and tissue extracts (30 µg lysate) of Mouse Brain (Lane 8) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



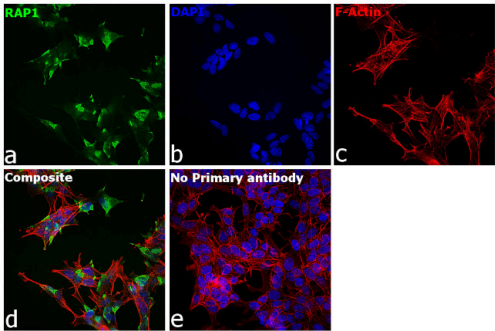
RAP1 Antibody (PA5-76317)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of RAP1 using anti-RAP1 Polyclonal Antibody (Product # PA5-76317) along with another RAP1 Polyclonal Antibody (Product # PA5-96886) shows similar expression of RAP1. {IAV}



RAP1 Antibody (PA5-76317) in ICC/IF

Immunofluorescence analysis of Telomeric repeat-binding factor 2-interacting protein 1 was performed using 70% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with RAP1 Polyclonal Antibody (Product # PA5-76317) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al. / Methods 115 (2017) 28-41).



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