

IQGAP1 Polyclonal Antibody

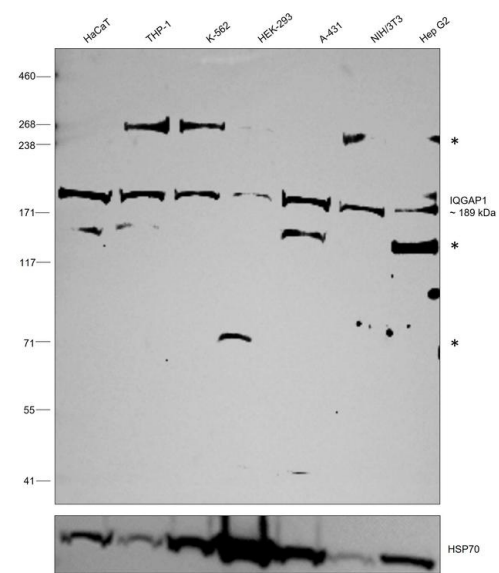
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human IQGAP1 recombinant protein (D1374-K1657).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807427

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-
ELISA (ELISA)	0.1-0.5 µg/mL	-

Product Specific Information

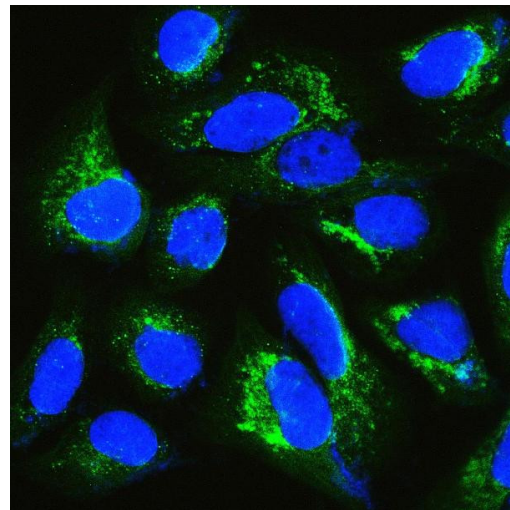
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For IQGAP1 Polyclonal Antibody



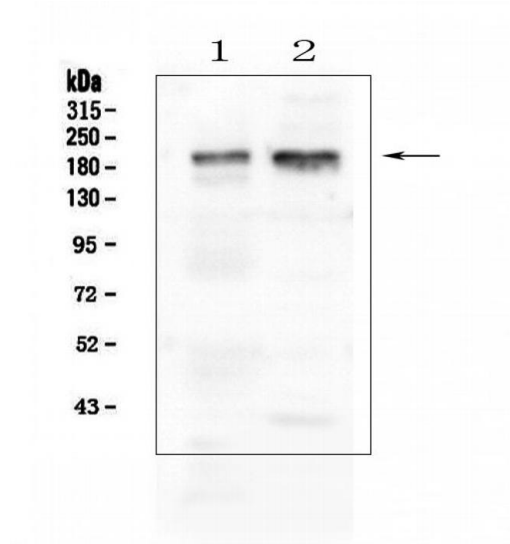
IQGAP1 Antibody (PA5-95625) in WB

Western blot was performed using Anti-IQGAP1 Polyclonal Antibody (Product # PA5-95625) and a 189 kDa band corresponding to IQGAP1 was observed across all cell lysates tested. Whole cell extracts (60 µg lysate) of HaCaT (Lane 1), THP-1 (Lane 2), K-562 (Lane 3), HEK-293 (Lane 4), A-431 (Lane 5), NIH/3T3 (Lane 6), Hep G2 (Lane 7) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). 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 (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Uncharacterized bands (*) were observed at ~268 kDa, ~160 kDa and 80 kDa in some cell lines.



IQGAP1 Antibody (PA5-95625) in ICC/IF

Immunocytochemistry analysis of IQGAP1 using anti-IQGAP1 antibody (Product # PA5-95625). IQGAP1 was detected in a section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum and then incubated with 2g /mL rabbit anti-IQGAP1 antibody (Product # PA5-95625) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IQGAP1 Antibody (PA5-95625) in WB

Western blot analysis of IQGAP1 in Lane 1: human placenta tissue lysates, Lane 2: human U-87MG whole cell lysates. Electrophoresis was performed with 5-20% SDS-PAGE gel (70V, Stacking gel; 90V Resolving gel, Time: 2-3 hours), transferred to a nitrocellulose membrane and blocked using 5% Non-fat Milk/TBS (1.5 hrs at room temperature). Samples were incubated with IQGAP1 polyclonal antibody (Product # PA5-95625) using a 0.5 µg/mL dilution, followed by a goat anti-rabbit IgG-HRP at a dilution of 1:10,000, and developed with enhanced chemiluminescence (ECL).

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