

KIF4A/KIF4B Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human KIF4A/4B recombinant protein (Position: K729-D1174).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Applications	Tested Dilution	Publications
Western Blot (WB)	0.25-0.5 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
ELISA (ELISA)	0.1-0.5 µg/mL	-

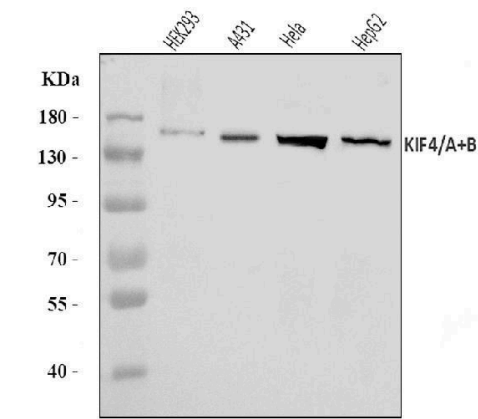
Product Specific Information

Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Product Images For KIF4A/KIF4B Polyclonal Antibody

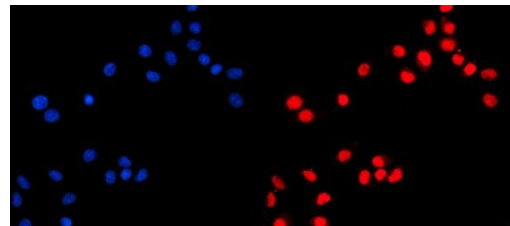
KIF4A/KIF4B Antibody (PA5-143922) in WB

Western blot analysis of KIF4A/4B using KIF4A/4B antibody (Product # PA5-143922). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 µg of sample under reducing conditions. Lane 1: human HEK293 whole cell lysates; Lane 2: human A431 whole cell lysates; Lane 3: human Hela whole cell lysates; Lane 4: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KIF4A/4B antigen affinity purified polyclonal antibody (Product # PA5-143922) at 0.5 g/mL overnight at 4°C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1: 5,000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for KIF4A/4B at approximately 140 kDa. The expected band size for KIF4A/4B is at 140 kDa.



KIF4A/KIF4B Antibody (PA5-143922) in ICC/IF

Immunocytochemistry analysis of KIF4A/KIF4B in SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. Samples were then incubated in KIF4A/KIF4B Polyclonal antibody (Product # PA5-143922) using a dilution of 5 g /mL. DyLight®594 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.



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