

AFG3L2 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 AFG3L2 recombinant protein (Position: R168-D250).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 5mg BSA
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_2807150

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

Product Specific Information

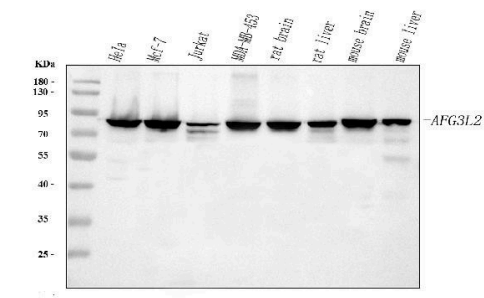
Human AFG3L2 shares 100% amino acid (aa) sequence identity with mouse AFG3L2.

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

Product Images For AFG3L2 Polyclonal Antibody

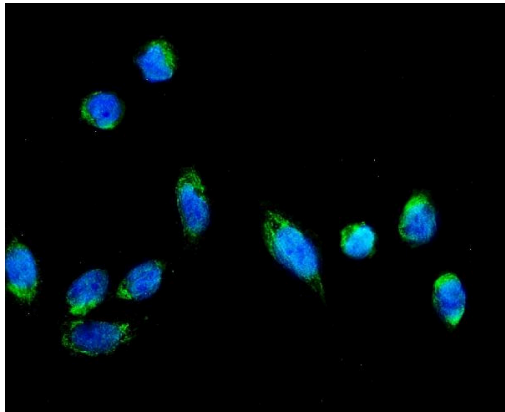
AFG3L2 Antibody (PA5-95347) in WB

Western blot analysis of AFG3L2 in, Lane 1: human Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human MDA-MB-453 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat liver tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse liver tissue lysates. 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. After Electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. The membrane was blocked with 5% non-fat milk /TBS for 1. 5 hour at RT. The membrane was incubated with AFG3L2 Polyclonal Antibody (Product # PA5-95347) 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. A specific band was detected for AFG3L2 at approximately 89 kDa. The expected band size for AFG3L2 is at 89 kDa.



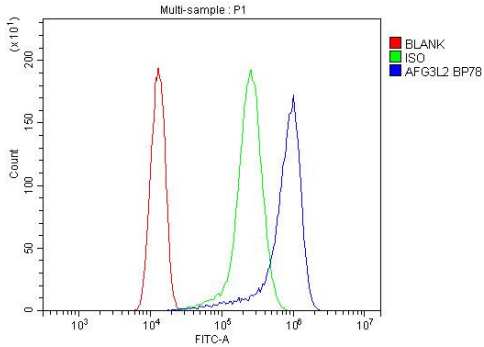
AFG3L2 Antibody (PA5-95347) in ICC/IF

Immunocytochemistry analysis of AFG3L2 using anti-AFG3L2 antibody (Product # PA5-95347) . AFG3L2 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-AFG3L2 antibody (Product # PA5-95347) 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.



AFG3L2 Antibody (PA5-95347) in Flow

Flow Cytometry of AFG3L2 in A431 cells (blue line), isotype control rabbit IgG (green line) and unlabeled (red line). Samples were blocked with 10% goat serum, incubated with AFG3L2 Polyclonal Antibody (Product # PA5-95347) at a dilution of 1 g (per 1x10^6 cells), followed by DyLight®488 conjugated goat anti-rabbit IgG (for 30 minutes at 20°C) using 5-10 g (per 1x10^6 cells) dilution.



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