

AGFG1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human AGFG1
Form	Liquid
Concentration	0.10 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% 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_2637757

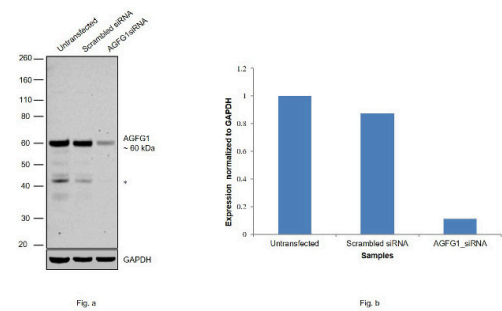
Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	-

Product Specific Information

Immunogen sequence: PQSTATANFA NFAHFNSHAA QNSANADFAN FDAFGQSSGS SNFGGFPTAS HSPFQPQTG GSAASVNANF AHFDNFPKSS SADFGTFNTS QSHQTASAVS KVSTNKAGLQ TADKYAALAN LDNIFSAG

Highest antigen sequence identity to the following orthologs: Mouse - 97%, Rat - 94%.

Product Images For AGFG1 Polyclonal Antibody

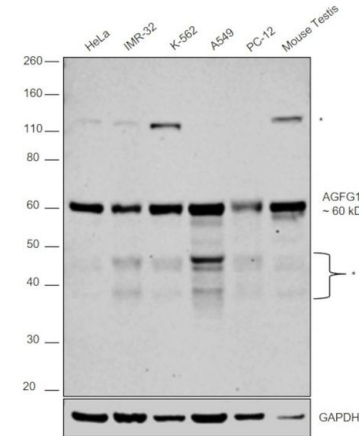


AGFG1 Antibody (PA5-52599)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A549 cells were transfected with AGFG1 siRNA and reduction of signal was observed in Western Blot using AGFG1 Polyclonal Antibody (Product # PA5-52599). {KD}

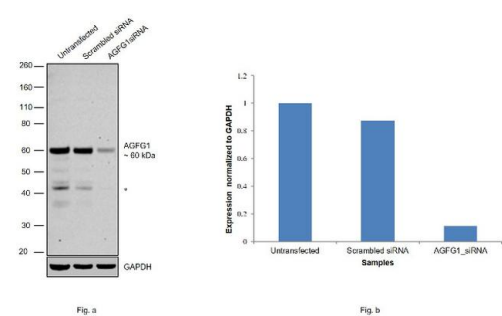
AGFG1 Antibody (PA5-52599) in WB

Western blot was performed using Anti-AGFG1 Polyclonal Antibody (Product # PA5-52599) and a 60kDa band corresponding to AGFG1 was observed across samples tested. Uncharacterized bands (*), corresponding to ~47kDa and ~38kDa were observed in all cell lines along with ~115kDa in HeLa, IMR-32, K562 and Mouse Testis only. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), IMR-32 (Lane 2), K-562 (Lane 3), A549 (Lane 4), PC-12 (Lane 5) and Mouse Testis (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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 (0.4 µg/mL) and detected by chemiluminescence with Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (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).



AGFG1 Antibody (PA5-52599) in WB

Knockdown of AGFG1 was achieved by transfecting A549 cells with AGFG1 specific siRNAs (Silencer® select Product # s6896, s6897). Western blot analysis (Fig. a) was performed using whole cell extracts from the AGFG1 knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed AGFG1 Polyclonal Antibody (Product # PA5-52599, 0.4 µg/mL) and Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/ml, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to AGFG1.



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