

Rabbit AFAP1 Polyclonal Antibody | anti-AFAP1 antibody

AFAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328763	Rabbit	Human, Mouse, RatPredicted: Bovine, Horse, Sheep, Dog, Chicken, Xenopus	Western Blot

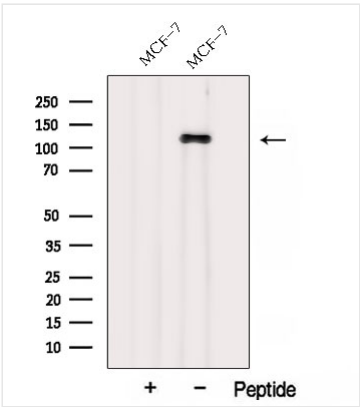
PRODUCT SYNONYMS

AFAP1; Polyclonal Antibody; AFAP1 Antibody; 110 kDa actin filament associated protein; 110 kDa actin filament-associated protein; Actin filament associated protein 1; Actin filament associated protein 110 kDa; Actin filament-associated protein 1; AFAP 1; AFAP 110; AFAP; AFAP-110; Afap1; AFAP1_HUMAN; AFAP110; FLJ56849; anti-AFAP1 antibody

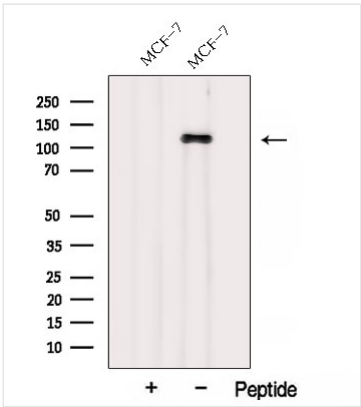
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	AFAP1 Antibody detects endogenous levels of AFAP1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	814
Applicable Applications for anti-AFAP1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human AFAP1.
Tissue Specificity	Low expression in normal breast epithelial cell line MCF-10A and in tumorigenic breast cancer cell lines MCF-7, T-47D and ZR-75-1. Highly expressed in the invasive breast cancer cell lines MDA-MB-231 and MDA-MB-435. Overexpressed in prostate carcinoma.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from MCF-7 cells, using AFAP1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using AFAP1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AFAP1 antibody	Description: Can cross-link actin filaments into both network and bundle structures (By similarity). May modulate changes in actin filament integrity and induce lamellipodia formation. May function as an adapter molecule that links other proteins, such as SRC and PKC to the actin cytoskeleton. Seems to play a role in the development and progression of prostate adenocarcinoma by regulating cell-matrix adhesions and migration in the cancer cells.
	Post Translational Modifications: Phosphorylated on tyrosine residues by SRC.
	Subunit Structure: Monomer and homomultimer. Interacts via its C-terminus with F-actin; probably involving AFAP1 multimers (By similarity). Interacts with activated SRC SH3-SH2 domains. Interacts via its PH 1 domain with PRKCA, PRKCB and PRKCI (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	197382472
NCBI GeneID	60312
NCBI Accession #	NP_001128119.1
NCBI GenBank Nucleotide #	NP_001128119.1
UniProt Accession #	Q8N556
Molecular Weight	Observed: 110 kDa Predicted: 81 kDa
NCBI Official Full Name	actin filament-associated protein 1 isoform A
NCBI Official Synonym Full Names	actin filament associated protein 1
NCBI Official Symbol	AFAP1
NCBI Official Synonym Symbols	AFAP; AFAP110; AFAP-110
NCBI Protein Information	actin filament-associated protein 1
UniProt Protein Name	Actin filament-associated protein 1
UniProt Gene Name	AFAP1
UniProt Synonym Gene Names	AFAP; AFAP-110
UniProt Entry Name	AFAP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/afap1-antibody-western-blot-elisa/328763>