AFAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AFAP1, Polyclonal Antibody
Full Product Name	AFAP1, CT (AFAP1, AFAP, Actin filament-associated protein 1, 110kD actin filament-associated protein) (MaxLight 750)
Product Gene Name	anti-AFAP1 antibody
Product Synonym Names	AFAP1; AFAP; Actin filament-associated protein 1; 110kD actin filament-associated protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	89,795 Da
OMIM	608252
3D Structure	ModBase 3D Structure for Q8N556
Immunogen	AFAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 550-580 amino acids from the C-terminal region of human AFAP1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-AFAP1 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-AFAP1 antibody	Western Blot (WB), FLISA
Application Notes for anti-AFAP1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-AFAP1 antibody	The protein encoded by this gene is a Src binding partner. It may represent a potential modulator of actin filament integrity in response to cellular signals, and may function as an adaptor protein by linking Src family members and/or other signaling proteins to actin filaments. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].
Product References and Citations for anti-AFAP1 antibody	Dorfleutner, A., et al. J. Cell. Physiol. 213(3):740-749(2007). Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004). Qian, Y., et al. J. Cell. Biochem. 91(3):602-620(2004). Qian, Y., et al. Mol. Biol. Cell 13(7):2311-2322(2002). Baisden, J.M., et al. Oncogene 20(45):6607-6616(2001).

Other Notes	Small volumes of anti-AFAP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AFAP1 purchase	MBS6272067 is an antibody targeting AFAP1. Also known as AFAP1, CT (AFAP1, AFAP, Actin filament-associated protein 1, 110kD actin filament-associated protein) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AFAP1. It may not necessarily be applicable to this product.

NCBI GI #	40807504
NCBI GeneID	60312
NCBI Accession #	NP_940997.1
NCBI Related Accession #	NP_001128119.1
UniProt Primary Accession #	Q8N556
UniProt Secondary Accession #	Q59EY5; Q9HBY1; A8K442; B4DMU2; E9PDT7
UniProt Related Accession #	Q8N556
GenBank Nucleotide #	NM_198595.2
NCBI Official Full Name	actin filament-associated protein 1 isoform B
NCBI Official Synonym Full Names	actin filament associated protein 1
NCBI Official Symbol	AFAP1
NCBI Official Synonym Symbols	AFAP; AFAP110; AFAP-110
UniProt Protein Name	Actin filament-associated protein 1
UniProt Synonym Protein Names	110 kDa actin filament-associated protein
Protein Family	Actin filament-associated protein
UniProt Gene Name	AFAP1
UniProt Synonym Gene Names	AFAP; AFAP-110
UniProt Entry Name	AFAP1_HUMAN
NCBI Protein Information	actin filament-associated protein 1; 110 kDa actin filament-associated protein; actin filament-associated protein, 110 kDa
NCBI Summary for AFAP1	The protein encoded by this gene is a Src binding partner. It may represent a potential modulator of actin filament integrity in response to cellular signals, and may function as an adaptor protein by linking Src family members and/or other signaling proteins to actin filaments. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

UniProt Comments for AFAP1	AFAP: Can cross-link actin filaments into both network and bundle structures. 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. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 4p16 Cellular Component: focal adhesion; cytoplasm; actin cytoskeleton Molecular Function: actin binding Biological Process: regulation of signal transduction; regulation of cytoskeleton organization and biogenesis
Research Articles on AFAP1	**1.** Data indicate three loci associated with primary open-angle glaucoma (POAG) were located upstream of ATP binding cassette transporter 1 (ABCA1), within actin filament associated protein 1 (AFAP1) and within GDP-mannose 46-dehydratase (GMDS).
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