

**AFAP1 / AFAP Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15877****Specification**

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**AFAP1 / AFAP Antibody (N-Terminus) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">Q8N556</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81kDa KDa

**AFAP1 / AFAP Antibody (N-Terminus) - Additional Information****Gene ID** 60312**Other Names**

Actin filament-associated protein 1, 110 kDa actin filament-associated protein, AFAP-110, AFAP1, AFAP

**Target/Specificity**

Human AFAP1. Monomer and homomultimer of AFAP1 are known to exist; AFAP1 antibody is predicted to not cross-react with other AFAP family members.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

AFAP1 / AFAP Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**AFAP1 / AFAP Antibody (N-Terminus) - Protein Information****Name** AFAP1**Synonyms** AFAP**Function**

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.

**Cellular Location**

Cytoplasm, cytoskeleton, stress fiber

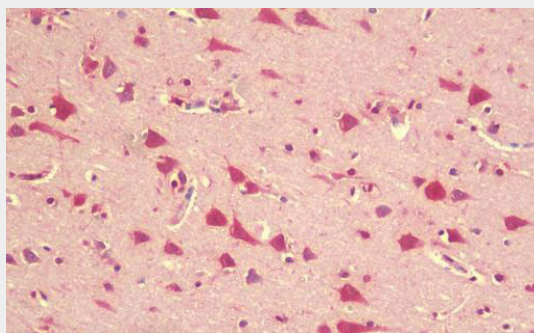
**Tissue Location**

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

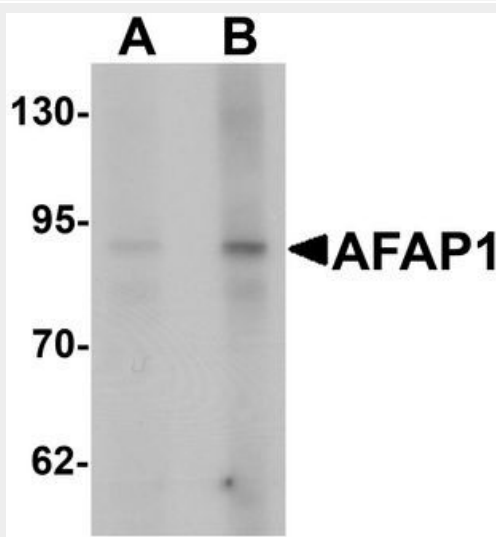
**AFAP1 / AFAP Antibody (N-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AFAP1 / AFAP Antibody (N-Terminus) - Images**

Anti-AFAP1 / AFAP antibody IHC staining of human brain, cortex.



Western blot analysis of AFAP1 in HeLa cell lysate with AFAP1 antibody at (A) 1 and (B) 2 ug/ml.

**AFAP1 / AFAP Antibody (N-Terminus) - Background**

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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.

#### **AFAP1 / AFAP Antibody (N-Terminus) - References**

Han B.,et al.J. Biol. Chem. 279:54793-54801(2004).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hillier L.W.,et al.Nature 434:724-731(2005).  
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.  
Olsen J.V.,et al.Cell 127:635-648(2006).