

**AFAP1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12749b****Specification**

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**AFAP1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8N556</a>
Other Accession	<a href="#">NP_940997.1</a> , <a href="#">NP_001128119.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	80725
Antigen Region	543-572

**AFAP1 Antibody (C-term) - Additional Information****Gene ID** 60312**Other Names**

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

**Target/Specificity**

This AFAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 543-572 amino acids from the C-terminal region of human AFAP1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AFAP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AFAP1 Antibody (C-term) - 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**

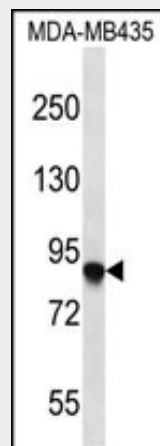
Low expression in normal breast epithelial cell line MCF-10A and in tumorigenic breast cancer cell lines MCF-7, T-47D and ZR-75-1. Highly expressed in the invasive breast cancer cell lines MDA-MB-231 and MDA-MB-435. Overexpressed in prostate carcinoma

### **AFAP1 Antibody (C-term) - 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 Antibody (C-term) - Images**



AFAP1 Antibody (C-term) (Cat. #AP12749b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the AFAP1 antibody detected the AFAP1 protein (arrow).

### **AFAP1 Antibody (C-term) - Background**

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].

#### **AFAP1 Antibody (C-term) - References**

- 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)