

**AFAP1-Y451 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20715a**

**Specification**

---

**AFAP1-Y451 Antibody - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">Q8N556</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>

**AFAP1-Y451 Antibody - 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 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 444-477 amino acids from human.

**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-Y451 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**AFAP1-Y451 Antibody - 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

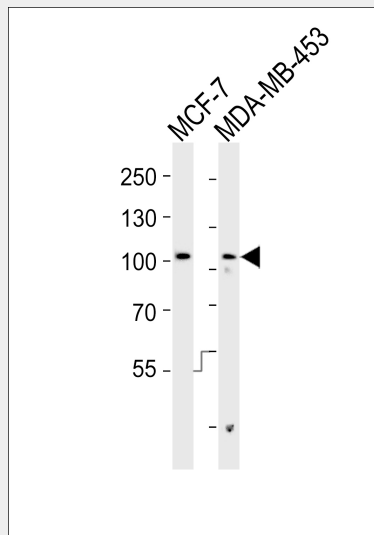
Low expression in normal breast epithelial cell line MCF-10A and in tumorigenic breast cancer cell lines MCF-7, T-47D and ZR-75-1. Highly expressed in the invasive breast cancer cell lines MDA-MB-231 and MDA-MB-435. Overexpressed in prostate carcinoma

### AFAP1-Y451 Antibody - 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-Y451 Antibody - Images



Western blot analysis of lysates from MCF-7, MDA-MB-453 cell line (from left to right), using PAFAP1-Y451 (Cat. #AP20715a). AP20715a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

### AFAP1-Y451 Antibody - Background

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.

#### **AFAP1-Y451 Antibody - 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).