10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

AFAP1-Y451 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q8N556
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

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

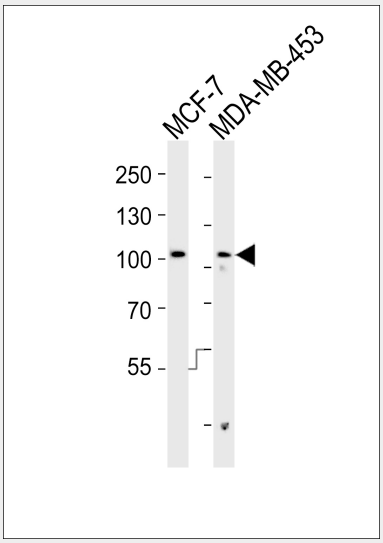
Tissue Location
Low expression in normal breast epithelial cell line MCF-10A and in tumorigenic breast cancer cell lines MCF-7, T-47D and ZR-75-1. Highly expressed in the invasive breast cancer cell lines MDA-MB-231 and MDA-MB-435. Overexpressed in prostate carcinoma

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 Cytomety
- 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).