

AFAP1-Y451 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5348

Product Information

Application WB **Primary Accession Q8N556** Reactivity Human **Predicted** Mouse, Rat Host Rabbit Clonality Polyclonal **Calculated MW** 80725 Isotype Rabbit IgG **Antigen Source HUMAN**

Additional Information

Gene ID 60312

Antigen Region 444-477

Other Names Actin filament-associated protein 1, 110 kDa actin filament-associated protein,

AFAP-110, AFAP1, AFAP

Dilution WB~~1:1000

Target/Specificity This antibody is generated from a rabbit immunized with a KLH conjugated

synthetic peptide between 444-477 amino acids from human.

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.

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 LocationLow 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

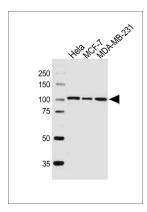
Background

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.

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).

Images



Western blot analysis of lysates from Hela,MCF-7,MDA-MB-231 cell line (from left to right), using Phospho-AFAP1-Y451.ctrl(Cat. #AW5348). AW5348 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.