

**AFAP1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12749b**

### Specification

#### AFAP1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q8N556](#)

#### AFAP1 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 60312

##### Other Names

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

##### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

##### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

#### AFAP1 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

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

## **AFAP1 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)