

Goat Anti-VASP Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4227a

Specification

Goat Anti-VASP Antibody (internal region) - Product Information

Application	WB
Primary Accession	P50552
Other Accession	22323(mouse) , NP_003361.1
Reactivity	Human
Predicted	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	39830

Goat Anti-VASP Antibody (internal region) - Additional Information

Gene ID 7408

Other Names

VASP; vasodilator-stimulated phosphoprotein

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-RKVSKQEEASGGPT, from the internal region of the protein sequence according to NP_003361.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-VASP Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-VASP Antibody (internal region) - Protein Information

Name VASP

Function

Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance, lamellipodial and filopodial dynamics, platelet activation and cell migration. VASP promotes actin filament elongation. It

protects the barbed end of growing actin filaments against capping and increases the rate of actin polymerization in the presence of capping protein. VASP stimulates actin filament elongation by promoting the transfer of profilin-bound actin monomers onto the barbed end of growing actin filaments. Plays a role in actin-based mobility of *Listeria monocytogenes* in host cells. Regulates actin dynamics in platelets and plays an important role in regulating platelet aggregation.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Cell junction, tight junction Cell projection, lamellipodium membrane. Cell projection, filopodium membrane. Note=Targeted to stress fibers and focal adhesions through interaction with a number of proteins including MRL family members Localizes to the plasma membrane in protruding lamellipodia and filopodial tips. Stimulation by thrombin or PMA, also translocates VASP to focal adhesions. Localized along the sides of actin filaments throughout the peripheral cytoplasm under basal conditions. In pre-apoptotic cells, colocalizes with MEFV in large specks (pyroptosomes)

Tissue Location

Highly expressed in platelets.

Goat Anti-VASP Antibody (internal region) - 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](#)

Goat Anti-VASP Antibody (internal region) - Images



AF4227a (0.01 µg/ml) staining of Human Platelets lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-VASP Antibody (internal region) - References

Vasodilator-stimulated phosphoprotein regulates osteosarcoma cell migration. Wu G, Wei L, Yu A, Zhang M, Qi B, Su K, Hu X, Wang J. *Oncology reports* 2011 Dec 26 (6): 1609-15.