

Anti-VASP (pS157) Antibody
Rabbit polyclonal antibody to VASP (pS157)
Catalog # AP60067**Specification**

Anti-VASP (pS157) Antibody - Product Information

Application	WB, IP, IHC
Primary Accession	P50552
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39830

Anti-VASP (pS157) Antibody - Additional Information**Gene ID** 7408**Other Names**

Vasodilator-stimulated phosphoprotein; VASP

Target/Specificity

Recognizes endogenous levels of VASP (pS157) protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100)

IP~~N/A

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-VASP (pS157) Antibody - 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)

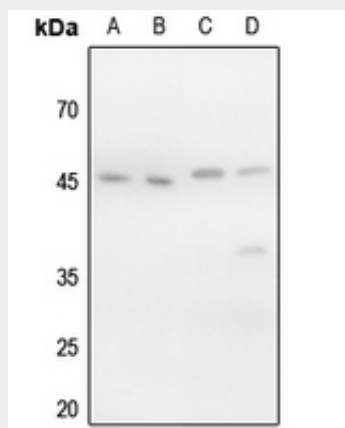
Tissue Location

Highly expressed in platelets.

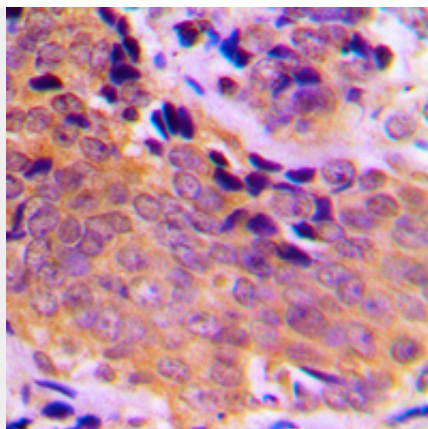
Anti-VASP (pS157) Antibody - Protocols

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](#)

Anti-VASP (pS157) Antibody - Images

Western blot analysis of VASP (pS157) expression in HEK293T (A), Hela (B), rat lung (C), rat spleen (D) whole cell lysates.



Immunohistochemical analysis of VASP (pS157) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-VASP (pS157) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human VASP (pS157). The exact sequence is proprietary.