

Monoclonal Antibody to VASP pSer239 - FITC

Alternate names:	Vasodilator-stimulated phosphoprotein
Catalog No.:	AM00156FC-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	VASP (vasodilator stimulated phosphoprotein) plays an important role in ANF / NO / cGMP Protein kinase and cAMP / cAMP Protein kinase signalling pathways. VASP is expressed in almost all human and animal cell lines; particularly high concentrations are found in thrombocytes, vascular smooth muscle cells and fibroblasts. In cultured cells VASP is associated with focal contacts, cell-cell-contacts, microfilaments and dynamic membrane regions such as the leading edge. In vitro binding data show that VASP binds to profilin, zyxin, vinculin, and the Listeria spp. surface protein ActA. Functional evidence indicates that VASP is a crucial factor involved in the enhancement of actin filament format
Uniprot ID:	P50552
NCBI:	NP_003361.1
GeneID:	7408
Host / Isotype:	Mouse / IgG1
Clone:	16C2
Immunogen:	Synthetic phosphopeptide conjugated to KLH Epitope: Phosphoserine 239 AA Sequence: R-K-V-pS-K-Q-E
Format:	State: Liquid purified IgG fraction. Purification: Subsequent Thiophilic Adsorption and Size Exclusion Chromatography Buffer System: 2 x PBS containing 0.09% Sodium Azide / PEG and Sucrose. Label: FITC – Fluorescein Isothiocyanate
Applications:	Flow Cytometry. Immunocytochemistry: 1-10 µg/ml (may tolerate 0.5% Formaldehyde fixation). For Immunoblotting and Immunoprecipitation use AM00156PU-N and AM00156BT-N. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes VASP only, when Ser239 is phosphorylated, a site preferred by cGMP-dependent protein kinase (PKG) but also used by cAMP-dependent protein kinase (PKA).

This antibody does not crossreact with the non-phosphorylated form of VASP nor with unrelated serine-phosphorylated proteins. Therefore, The antibody is able to monitor the phosphorylation state of VASP Serine239 as well as PKA activity.

Species: Human and Mouse.

Other species not tested.

Add. Information:

Molecular Weight: 46/50 kDa

Storage:

Aliquote and freeze (in liquid nitrogen at -20°C to -80°C).

Thaw aliquots at 37°C.

Thawed aliquots may be stored at 2-8°C up to 3 months.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Recommended**Control Peptides:**

AM00156CP-N

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com