

Product datasheet for **AM00157PU-N**

VASP pSer239 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 22E11]

Product data:

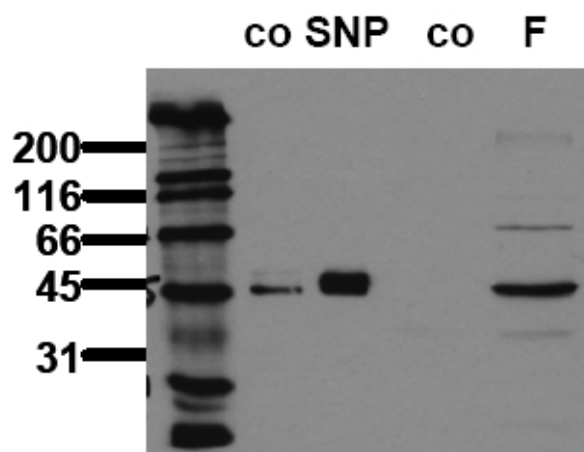
Product Type:	Primary Antibodies
Clone Name:	22E11
Applications:	ELISA, FC, WB
Recommended Dilution:	ELISA: Use at 0.05 µg/ml. Western Blot: 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer AS00002BU-N or AS00002BU-L. Flow Cytometry. <i>Included Positive Control:</i> Cell lysate from Forskolin-treated HepG2 cells (See Protocols for more details).
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH.
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). The antibody does not crossreact with the non-phosphorylated form of VASP nor with unrelated serine-phosphorylated proteins. Therefore, antibody VASP-22E11 is able to monitor the phosphorylation state of VASP serine 239 as well as PKA activity.
Formulation:	2 x PBS/0.09% Na-azide/PEG and Sucrose. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography.
Conjugation:	Unconjugated



[View online »](#)

Storage:	<p>Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C.</p> <p>Avoid repeated freezing and thawing.</p> <p>Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	vasodilator-stimulated phosphoprotein
Database Link:	Entrez Gene 7408 Human P50552
Background:	<p>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 <i>Listeria</i> spp. surface protein ActA. Functional evidence indicates that VASP is a crucial factor involved in the enhancement of actin filament formation.</p>
Synonyms:	Vasodilator-stimulated phosphoprotein
Note:	<p>Protocol: Positive Control Cell Lysate: HepG2 Forskolin treated</p> <p>Format: Lyophilized cell lysate from HepG2 cells.</p> <p>Reconstitution: Restore by addition of 200 µl H₂O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.</p> <p>Application: The positive control cell lysate is recommended for immunoblot applications. 20 µl of positive control cell lysate correspond to ca. 20.000 cells. Use 20 µl/lane (mini gel) for HRPO/ECL detection of the target proteins. Please NOTE: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as in immunoprecipitation.</p> <p>Storage: Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.</p>

Product images:



Phosphospecificity. Whole cell extracts of control (co) or Sodium Nitroprusside (SNP) treated human platelets and extracts from control (co) or Forskolin (F) treated HepG2 cells were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 22E11 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp.time: 30 sec).