[KD Validated] Anti-VASP Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R021261

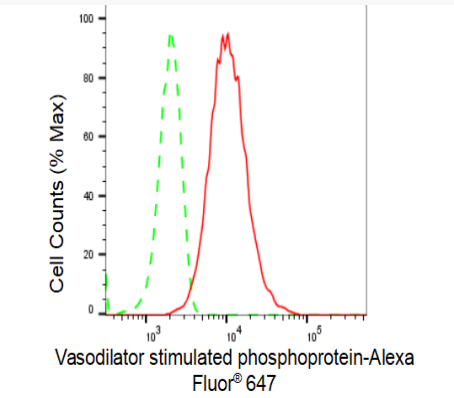
Product Information

Application	WB, FC, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	24C85B30
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human VASP
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-VASP Rabbit mAb [24C85B30] is for research use only and not for use in diagnostic or therapeutic procedures.

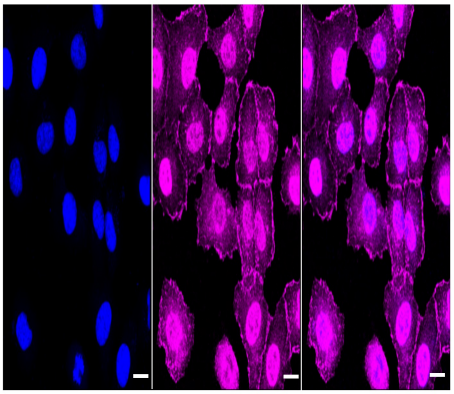
Protein Information

Synonyms	VASP; Vasodilator Stimulated Phosphoprotein; Vasodilator-Stimulated Phosphoprotein.
Calculated MW	Calculated MW: 40 kDa, Observed MW: 46 kDa
Uniprot ID	P50552
Gene ID	7408
Background	VASP (vasodilator-stimulated phosphoprotein), is involved in the maintenance of cytoarchitecture by interacting with actin-like filaments. VASP shares a limited degree of homology with the amino terminus of WASP, which is frequently mutated in WAS patients. An established substrate of cAMP and cGMP dependent kinases, VASP is phosphorylated on a regulatory serine residue 157 and localizes to focal adhesions, microfilaments and highly active regions of the plasma membrane.

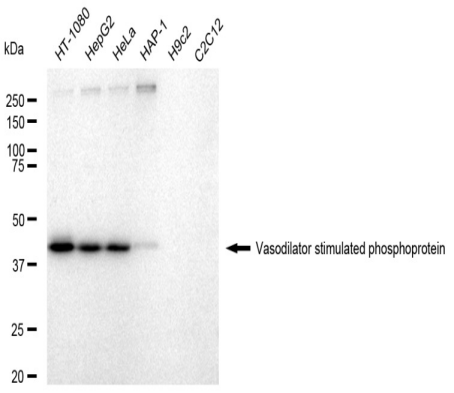
Validation Images



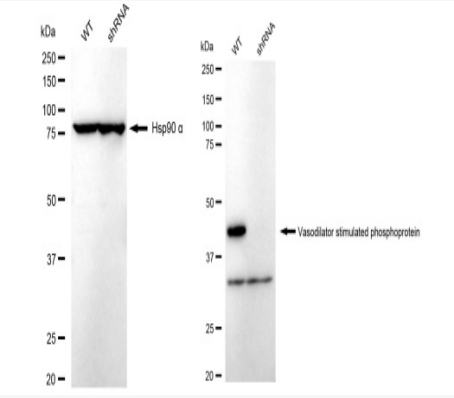
Flow cytometric analysis of Vasodilator stimulated phosphoprotein expression in HT-1080 cells using Vasodilator stimulated phosphoprotein antibody (R021261, 1:2,000). Green, isotype control; red, Vasodilator stimulated phosphoprotein.



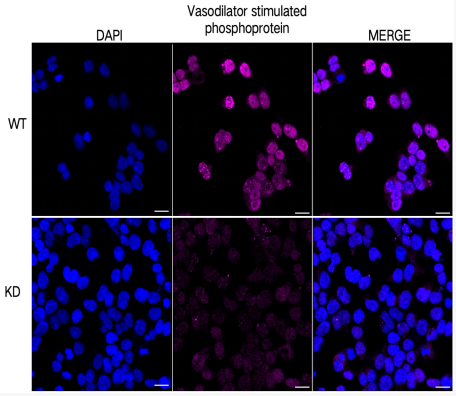
Immunocytochemical staining of HT-1080 cells with Vasodilator stimulated phosphoprotein antibody (R021261, 1:1,000). Nuclei were stained blue with DAPI; Vasodilator stimulated phosphoprotein was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



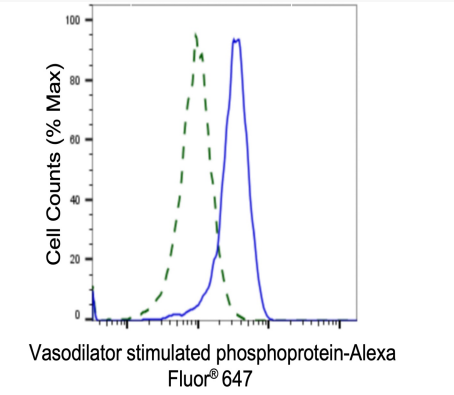
Western blotting analysis using Vasodilator stimulated phosphoprotein antibody (R021261). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Vasodilator stimulated phosphoprotein antibody (R021261, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using Vasodilator stimulated phosphoprotein antibody (R021261). Vasodilator stimulated phosphoprotein expression in wild type (WT) and Vasodilator stimulated phosphoprotein shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Vasodilator stimulated phosphoprotein antibody (R021261, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Immunocytochemical staining of HeLa cells using Vasodilator stimulated phosphoprotein antibody (R021261, 1:1,000), Top panel: wild-type (WT); Bottom panal: Vasodilator stimulated phosphoprotein shRNA knockdown (KD). Nuclei were stained blue with DAPI; Vasodilator stimulated phosphoprotein was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of Vasodilator stimulated phosphoprotein knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Vasodilator stimulated phosphoprotein antibody (R021261, 1:2,000) and analyzed using BD flow cytometer.