
Product Name: KD-Validated S1PR3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01463**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 42.3kDa

Antigen Information

Gene Name	S1PR3 S1PR3; Sphingosine-1-Phosphate Receptor 3; BA791O21.3; C9orf108; C9orf47; EDG-3; EDG3; Endothelial Differentiation, Sphingolipid G-Protein-Coupled Receptor,3; Endothelial Differentiation G-Protein Coupled Receptor 3; Sphingosine 1-Phosphate Receptor Edg-3;
Alternative Names	Sphingosine 1-Phosphate Receptor 3; S1P Receptor Edg-3; S1P Receptor 3; FLJ37523; S1P3; G Protein-Coupled Receptor, Endothelial Differentiation Gene-3; Chromosome 9 Open Reading Frame 108; Chromosome 9 Open Reading Frame 47; Uncharacterized Protein C9orf47; S1P Receptor EDG3; LPB3
Gene ID	1903.0
SwissProt ID	Q99500
Immunogen	A synthesized peptide derived from human S1PR3

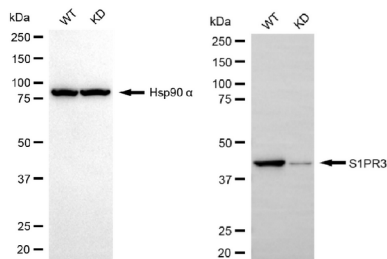
Background

This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq, Jul 2008]

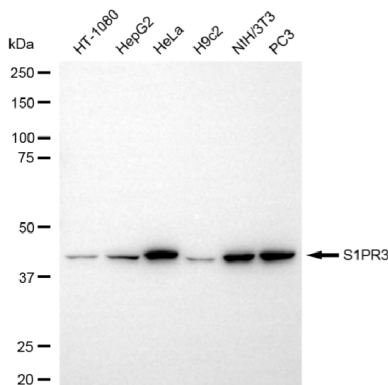
Research Area

Signal Transduction, Cardiovascular, Neuroscience

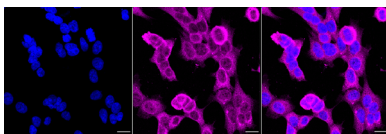
Image Data



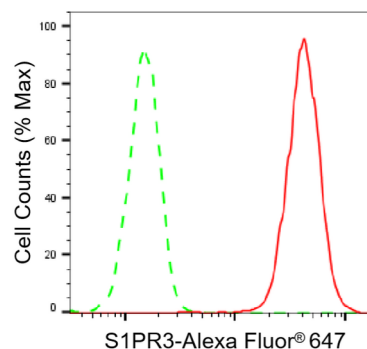
Western blotting analysis using S1PR3 antibody (KVA01463). S1PR3 expression in wild-type (WT) and S1PR3 knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with S1PR3 antibody (KVA01463, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using S1PR3 antibody (KVA01463). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with S1PR3 antibody (KVA01463, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with S1PR3 antibody (KVA01463, 1:1,000). Nuclei were stained blue with DAPI; S1PR3 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.



Flow cytometric analysis of S1PR3 expression in HAP-1 cells using S1PR3 antibody (KVA01463, 1:2,000). Green, isotype control; red, S1PR3.