Anti-S1PR4 Rabbit Polyclonal Antibody

Catalog #: 52525

Aliases

S1PR4; Sphingosine-1-Phosphate Receptor 4; EDG6; Endothelial Differentiation, Lysophosphatidic Acid G-Protein-Coupled Receptor, 6; Endothelial Differentiation G-Protein Coupled Receptor 6; Sphingosine 1-Phosphate Receptor Edg-6; Sphingosine 1-Phosphate Receptor 4; S1P Receptor Edg-6; S1P Receptor 4; S1P4; Endothelial Differentiation, G-Protein-Coupled Receptor 6; LPC1; SLP4

Background

Gene Name: S1PR4
NCBI Gene Entry: 8698
UniProt Entry: O95977

Application Information

Molecular Weight: Predicted, 41 kDa; observed, 48 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human S1PR4

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

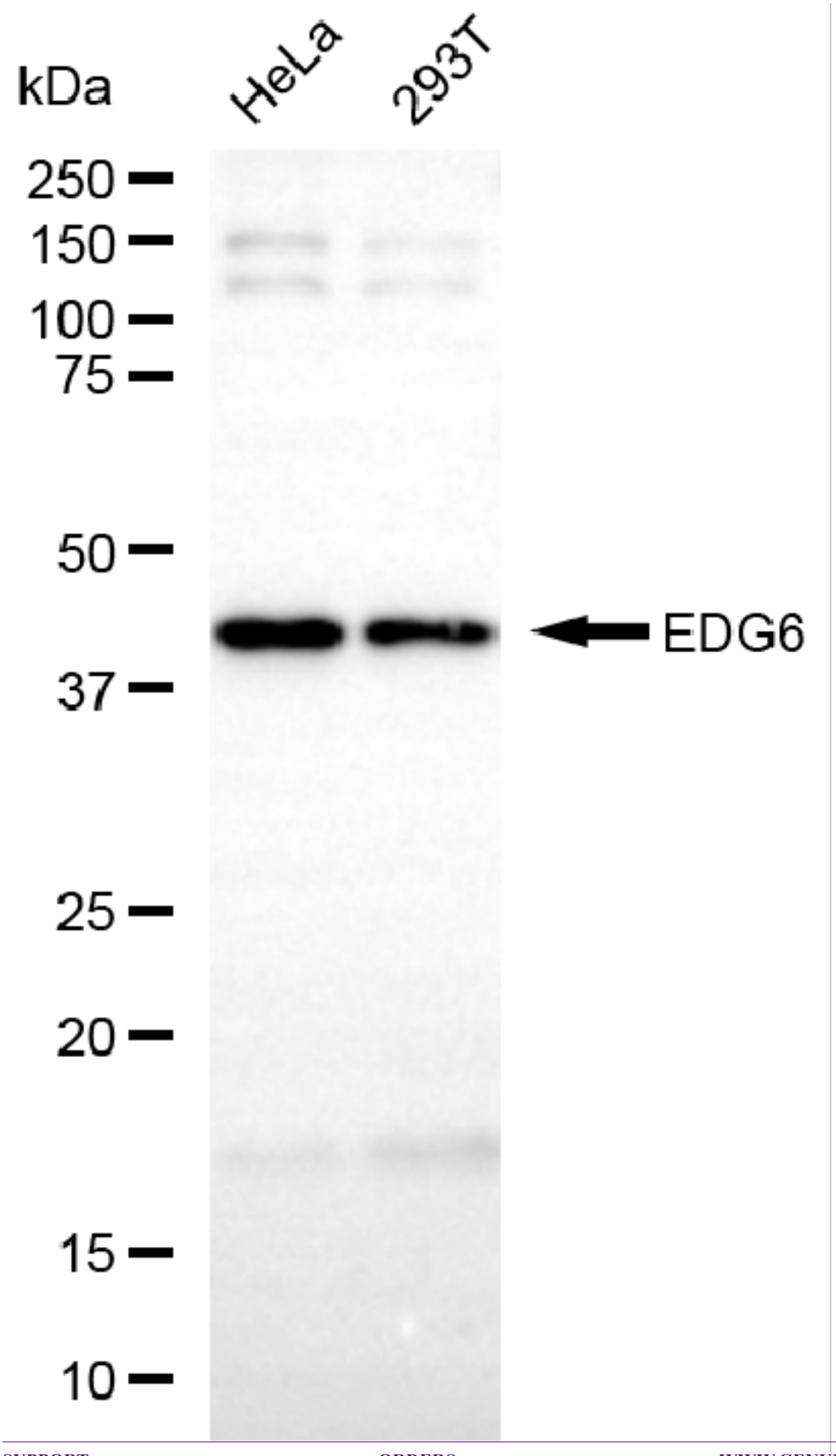
Store at -20 °C for one year.

Recommended Dilutions

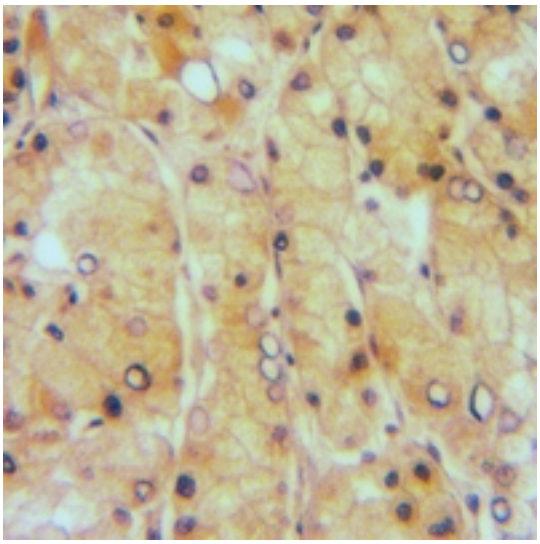
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

Note: This product is for research use only.

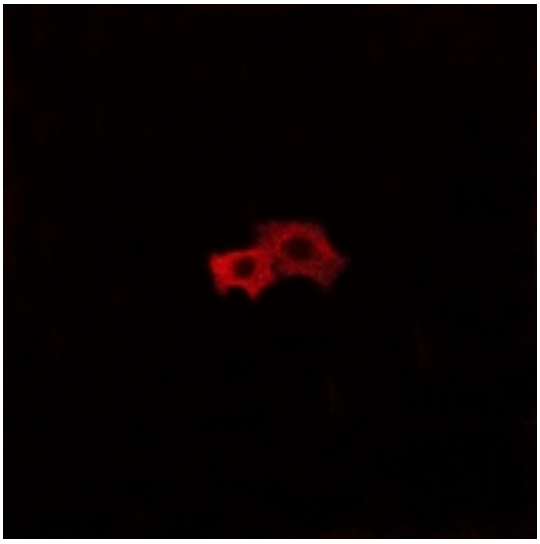
Validation Data



Western blotting analysis using anti-S1PR4 antibody (Cat#52525). Total lysates (30 µg) were loaded and separated by SDS-PAGE. The blot was incubated with anti-S1PR4 antibody (Cat#52525, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Immunohistochemical analysis of S1PR4 staining in human liver 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.



Immunocytochemical analysis of S1PR4 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the

dark.