



# EDG-1 rabbit pAb

Cat No.:ES2222

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | EDG-1 rabbit pAb  |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human S1P Receptor EDG1. AA range:206-255   |
| <b>Specificity</b>              | EDG-1 Polyclonal Antibody detects endogenous levels of EDG-1 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Sphingosine 1-phosphate receptor 1  |
| <b>Gene Name</b>                | S1PR1   |
| <b>Cellular localization</b>    | Cell membrane ; Multi-pass membrane protein. Endosome. Membrane raft. Recruited to caveolin-enriched plasma membrane microdomains in response to oxidized 1-palmitoyl-2-arachidonoyl-sn-glycero-3-phosphocholine. Ligand binding leads to receptor internalization. |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            | 50kD  |
| <b>Human Gene ID</b>            | 1901  |
| <b>Human Swiss-Prot Number</b>  | P21453  |
| <b>Alternative Names</b>        | S1PR1; CHEDG1; EDG1; Sphingosine 1-phosphate  |

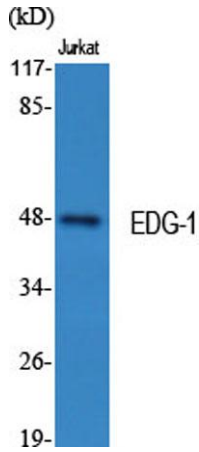




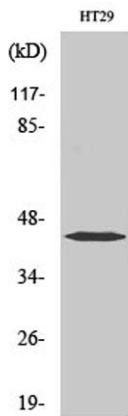
## Background

receptor 1; S1P receptor 1; S1P1; Endothelial differentiation G-protein coupled receptor 1; Sphingosine 1-phosphate receptor Edg-1; S1P receptor Edg-1; CD antigen CD363

The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],



Western Blot analysis of various cells using EDG-1 Polyclonal Antibody

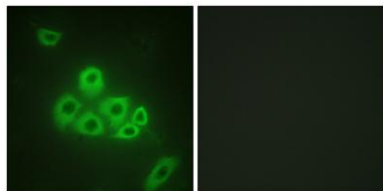


Western Blot analysis of A549 cells using EDG-1 Polyclonal Antibody





Immunofluorescence analysis of A549 cells, using S1P Receptor EDG1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29, LOVO, and A549 cells, using S1P Receptor EDG1 Antibody. The lane on the right is blocked with the synthesized peptide.

