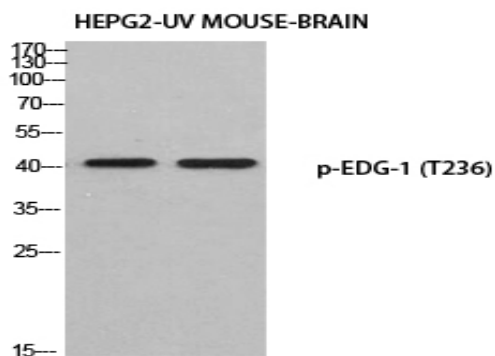


EDG-1 (phospho Thr236) Polyclonal Antibody

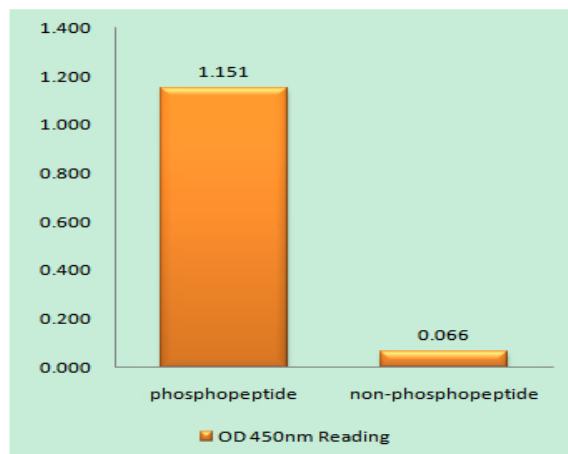
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|------------------------------|---|
| Catalog No : | YP1193 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IF;ELISA |
| Target : | EDG-1 |
| Fields : | >>FoxO signaling pathway;>>Sphingolipid signaling pathway;>>Neuroactive ligand-receptor interaction |
| Gene Name : | S1PR1 |
| Protein Name : | Sphingosine 1-phosphate receptor 1 |
| Human Gene Id : | 1901 |
| Human Swiss Prot No : | P21453 |
| Mouse Gene Id : | 13609 |
| Mouse Swiss Prot No : | O08530 |
| Rat Gene Id : | 29733 |
| Rat Swiss Prot No : | P48303 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human S1P Receptor EDG1 around the phosphorylation site of Thr236. AA range:206-255 |
| Specificity : | Phospho-EDG-1 (T236) Polyclonal Antibody detects endogenous levels of EDG-1 protein only when phosphorylated at T236. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |

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|-------------------------------|--|
| Dilution : | WB 1:500-2000 IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 42kD |
| Cell Pathway : | Neuroactive ligand-receptor interaction; |
| Background : | 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], |
| Function : | function:Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. This inducible epithelial cell G-protein-coupled receptor may be involved in the processes that regulate the differentiation of endothelial cells. Seems to be coupled to the G(i) subclass of heteromeric G proteins.,induction:By the tumor promoter phorbol 12-myristate 13-acetate (PME) in the presence of cycloheximide.,PTM:S1P-induced endothelial cell migration requires the PKB/AKT1-mediated phosphorylation of the third intracellular loop at the Thr-236 residue.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Endothelial cells, and to a lesser extent, in vascular smooth muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin., |
| Subcellular Location : | 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. |
| Expression : | Endothelial cells, and to a lesser extent, in vascular smooth muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin. |
| Sort : | 5397 |
| No4 : | 1 |
| Host : | Rabbit |

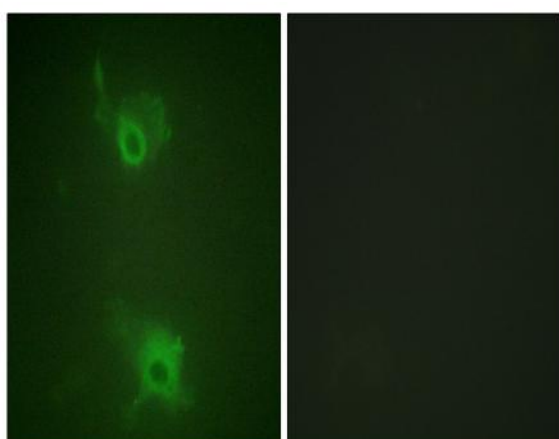
Products Images



Western blot analysis of HEPG2-UV MOUSE-BRAIN using p-EDG-1 (T236) antibody. Antibody was diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using S1P Receptor EDG1 (Phospho-Thr236) Antibody



Immunofluorescence analysis of COS7 cells, using S1P Receptor EDG1 (Phospho-Thr236) Antibody. The picture on the right is blocked with the phospho peptide.