SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-EDG1 (Thr236)antibody

Catalog Number: SL14504R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-EDG1 (Thr236)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human EDG1 around the phosphorylation site of Thr236: RL(p-T)FR
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Pig,Rabbit)
Predicted MW.:	43kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a protein that may regulate endothelial cell differentiation, lipid metabolism, and hormone-induced cardiomyocyte hypertrophy. The encoded protein has also been found to act as a transcriptional coactivator by interconnecting the general transcription factor TATA element-binding protein (TBP) and gene-specific activators. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] **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. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Endothelial cells, and to a lesser extent, in vascular smooth

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin. **Post-translational modifications:** 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. **Database links:** **Entrez Gene:** 1901 Human **Entrez Gene:** 13609 Mouse **Entrez Gene:** 29733 Rat Omim: 601974 Human **SwissProt:** P21453 Human **SwissProt:** O08530 Mouse **SwissProt:** P48303 Rat **Unigene:** 154210 Human **Unigene:** 982 Mouse **Unigene:** 109455 Rat

[VALIDATION IMAGES]

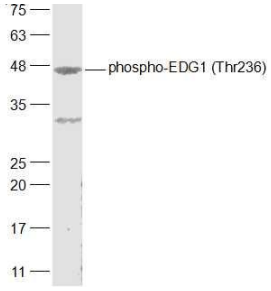


Figure 1. Sample: Thymus (Mouse) Lysate at 40 ug Primary: Anti-phospho-EDG1 (Thr236) (SL14504R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD

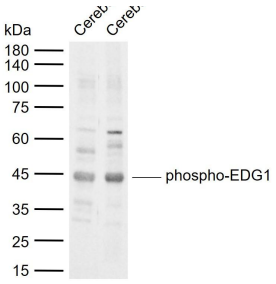


Figure 2. Sample: Lane 1: Mouse Cerebellum tissue lysates Lane 2: Rat Cerebellum tissue lysates Primary: Anti-phospho-EDG1 (Thr236) (SL14504R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kDa Observed band size: 43 kDa

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