



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Lysophosphatidic Acid Receptor 1 CT (EDG-2). Rabbit Polyclonal Antibody

### BACKGROUND

Endothelial cell differentiation gene-2 (EDG-2) receptor is a high affinity receptor for lysophosphatidic acid (LPA). EDG-2, also known as lysophospholipid receptor A1, Vzq-1, mrec1.3 or GPCR26, like all other EDG receptors, couple multiple (3 or more) types of G proteins and transduce decreases in  $c[AMP]_i$  through  $G_i$  and increases in  $[Ca^{2+}]_i$  by augmenting phospholipase C through Gq/11 and beta/gamma dimers and by induction of PI3 kinase, p125 FAK, phospholipase D by activating rho through G12/13. Human EDG-2 is present in high levels on oligodendrocytes and certain human malignant T cell lines. EDG-2 receptors (with EDG-4) may play a role in protecting cardiomyocytes from apoptosis induced by hypoxia and andrenergic stimulation.

### ORDERING INFORMATION

**CATALOG NUMBER**

C174P

**SIZE**100  $\mu$ g**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

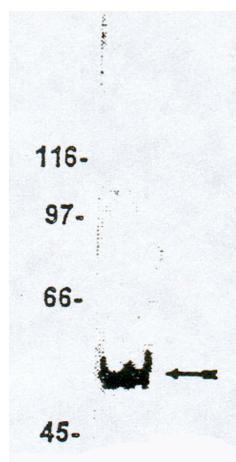
**ACCESSION NUMBER**

Q92633, Human

### IMMUNOGEN

Synthetic peptide derived from the C terminal of the EDG2 receptor.

Western blot analysis using EDG2/LPA1 antibody on RH7777 cells transfected with EDG2/LPA1 protein at 5  $\mu$ g/ml.



**POSITIVE CONTROL/TISSUE EXPRESSION**

RH7777 Cells Transfected with EDG2/LPA<sub>1</sub>protein

**COMMENTS**

For Western blotting, starting dilution of 5-10  $\mu\text{g/ml}$  is recommended. Western blot should be visualized using a high sensitivity secondary/substrate system (i.e. Pierce's SuperSignal West Femto Maximum Sensitivity Substrate). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Ammonium Sulfate Precipitation

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at  $-20^{\circ}\text{C}$ . Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Fukushima, N., et al., "A single receptor encoded by vzg-1/lpA1/edg-2 couples to G proteins and mediates multiple cellular responses to lysophosphatidic acid. Proc. Natl.Acad. Sci. USA 1998, 95, 6151-6156
2. Goetzl, E., et al., "Lysophosphatidic acid and sphingosine 1-phosphate protection of T cells from apoptosis in association with suppression of Bax." J. Immunol. 1999, 162, 2049-2056
3. Zheng, Y., et al. "Lysophosphatidic acid receptor-selection effects on Jurkat T cell migration through a matrigel model basement membrane." J. Immunol. 2001, 166, 2317-2322
4. Parrill, A.L., et al. "Identification of Edg1 receptor residues that recognize sphingosine 1-phosphate." J. Biol. Chem. 2000, 275, 39379-39384.