

Datasheet for ABIN317691
anti-LPAR3 antibody



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1 Image

Overview

Quantity:	0.1 mg
Target:	LPAR3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPAR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of EDG-7 protein (region surrounding Leu148).
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity-chromatography using epitope-specific immunogen

Target Details

Target:	LPAR3
Alternative Name:	EDG-7 / LPAR3 (LPAR3 Products)
Background:	The EDG (endothelial differentiation gene) family of G protein-coupled receptors consists of eight family members that bind lysophospholipid (LPL) mediators, including sphingosine-1-phosphate (SPP) and lysophosphatidic acid (LPA). EDG-1, EDG-3, EDG-5 (also designated H218 and AGR16) and EDG-8 bind SPP with high affinity. EDG-6 is a low affinity receptor for SPP. LPA

Target Details

preferentially binds to EDG-2, EDG-4 and EDG-7. The EDG receptors couple to multiple G proteins to signal through Ras, MAP kinase, Rho, Phospholipase C or other tyrosine kinases, which lead to cell survival, growth, migration and differentiation. EDG-1 signals through Gi proteins to activate Akt and is expressed in glioma cells. EDG-2 is expressed in brain, especially in white matter tract regions, while EDG-3 is expressed in cardiovascular tissue and in cerebellum. EDG-4 is highly expressed on leukocytes and brain, and EDG-5 has wide tissue distribution, including cardiovascular tissue and brain. Synonyms: EDG7, Endothelial differentiation, GPCR, HOFNH3O, LPA-3, LPAR3, Lysophosphatidic acid receptor 3, Lysophosphatidic acid receptor Edg-7, lysophosphatidic acid G-protein coupled receptor 7

Molecular Weight: approx. 40 kDa

Gene ID: 23566

NCBI Accession: [NP_036284](#)

UniProt: [Q9UBY5](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: ELISA: 1: 20000 approx. 1: 40000. WB: 1: 500 approx. 1: 1000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS), 15 mM Sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

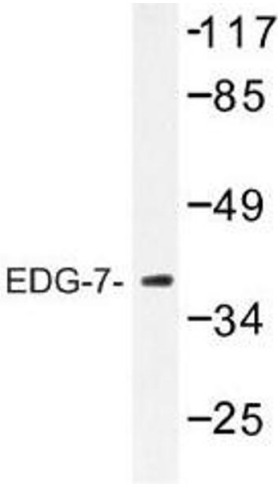


Image 1.