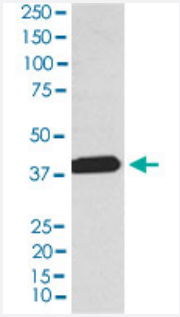
LPAR1 monoclonal antibody, clone ACGE-12

Catalog # MAB22230 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-375 cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human LPAR1.
Immunogen	A synthetic peptide corresponding to human LPAR1.
Host	Rabbit
Reactivity	Human
Specificity	The antibody reacts with human LPAR1, in native form and recombinant. Superfamily members of L PAR1 are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blot analysis of A-375 cell lysate.

Gene Info — LPAR1

Entrez GeneID	1902
Protein Accession#	Q92633
Gene Name	LPAR1
Gene Alias	EDG2, GPR26, Gpcr26, LPA1, Mrec1.3, VZG1, edg-2, rec.1.3, vzg-1
Gene Description	lysophosphatidic acid receptor 1
Omim ID	602282
Gene Ontology	Hyperlink
Gene Summary	The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor fr om a group known as EDG receptors. These receptors are members of the G protein-coupled re ceptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic fun ctions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuro blastoma cell differentiation, chemotaxis, and tumor cell invasion. Two transcript variants encodin g the same protein have been identified for this gene [provided by RefSeq
Other Designations	OTTHUMP00000021903|OTTHUMP00000021904|OTTHUMP00000021905|endothelial different iation, lysophosphatidic acid G-protein-coupled receptor, 2|ventricular zone gene 1

Pathway

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- Gap junction
- Neuroactive ligand-receptor interaction

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Osteoarthritis

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