ELK Biotechnology

EDG-2 rabbit pAb

Cat No.:ES5042

For research use only

Overview

Product Name	EDG-2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human EDG2. AA range:5-54
Specificity	EDG-2 Polyclonal Antibody detects endogenous levels of EDG-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Lysophosphatidic acid receptor 1
Gene Name	LPAR1
Cellular localization	Cell surface . Cell membrane ; Multi-pass membrane protein . Endosome . Prior to LPA treatment found predominantly at the cell surface. Internalized after LPA treatment. Colocalizes with RALA in endocytic vesicles after LPA treatment. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	38kD
Human Gene ID	1902
Human Swiss-Prot Number	Q92633
Alternative Names	LPAR1; EDG2; LPA1; Lysophosphatidic acid receptor 1; LPA receptor 1; LPA-1; Lysophosphatidic acid receptor Edg-2

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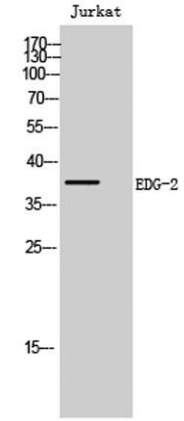
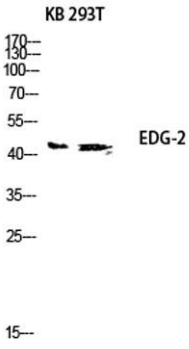
Background

lysophosphatidic acid receptor 1(LPAR1) Homo sapiens The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Two transcript variants encoding the same protein have been identified for this gene [provided by RefSeq, Jul 2008],



Western Blot analysis of Jurkat cells using EDG-2 Polyclonal Antibody diluted at 1:500



Western blot analysis of KB 293T lysis using EDG-2 antibody. Antibody was diluted at 1:500

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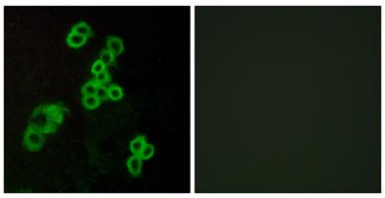
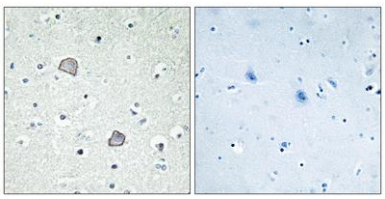
Immunofluorescence analysis of MCF7 cells, using EDG2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using EDG2 Antibody. The picture on the right is blocked with the synthesized peptide.



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