ELK Biotechnology

EDG-4 rabbit pAb

Cat No.:ES7976

For research use only

Overview

Product Name	EDG-4 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human EDG4. AA range:271-320
Specificity	EDG-4 Polyclonal Antibody detects endogenous levels of EDG-4 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 2
Gene Name	LPAR2
Cellular localization	Cell surface . Cell membrane ; Multi-pass membrane protein . Prior to LPA treatment found predominantly at the cell surface but in the presence of LPA colocalizes with RALA in the endocytic vesicles.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	39kD
Human Gene ID	9170
Human Swiss-Prot Number	Q9HBW0
Alternative Names	LPAR2; EDG4; LPA2; Lysophosphatidic acid receptor 2; LPA receptor 2; LPA-2; Lysophosphatidic acid receptor Edg-4

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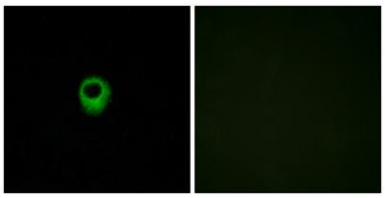
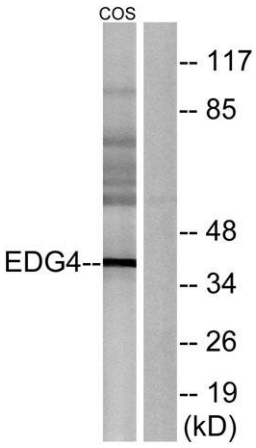
Background

lysophosphatidic acid receptor 2(LPAR2) Homo sapiens This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca2+ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of MCF7 cells, using EDG4 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from COS7 cells, using EDG4 Antibody. The lane on the right is blocked with the synthesized peptide.

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

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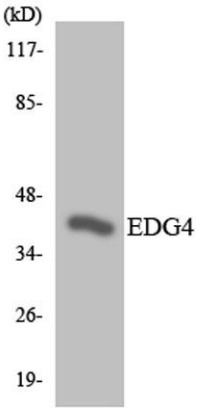

Western blot analysis of the lysates from K562 cells using EDG4 antibody.

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