

EDG2 Polyclonal Antibody

Catalog NumberPA1-1041

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat, Xenopus
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1 µg/mL
Immunogen	Synthetic peptide corresponding to residues L(348) N H T I L A G V H S N D H S V V(364) of human LPA1.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS with 1mg/mL BSA		
Contains	0.05% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA1-1041 detects lysophosphatidic acid receptor 1 protein in rat, human, mouse, and Xenopus samples. PA1-1041 has successfully been used in Western blot procedures. By Western blot, this antibody detects an ~42 kDa protein representing lysophosphatidic acid receptor 1 in PC12 and HeLa whole cell lysates as well as mouse and Xenopus liver samples. The PA1-1041 immunogen is a synthetic peptide corresponding to residues L(348) N H T I L A G V H S N D H S V V(364) of human LPA1. The immunizing sequence is completely conserved in human, mouse, rat and bovine. This peptide (Cat. # PEP-233) is available for use in neutralization and control experiments.

Background/Target Information

EDG2 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids There are eight known members of the EDG receptor family and they are implicated in mediating growth-related effects such as induction of cellular proliferation, alterations in differentiation and survival, and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion and chemotaxis.

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