ARG56522
anti-LPAR1 / EDG2 antibody

Package: 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LPAR1 / EDG2
Tested Reactivity	Hu, Ms, Rat, Bov, Sheep
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LPAR1 / EDG2
Species	Human
Immunogen	Synthetic peptide around aa. 342-359 of Human LPAR1 / EDG2. (DRSASSLNHTILAGVHSN)
Conjugation	Un-conjugated
Alternate Names	Gpcr26; LPA receptor 1; LPA1; rec.1.3; EDG2; edg-2; Lysophosphatidic acid receptor 1; Lysophosphatidic acid receptor Edg-2; Mrec1.3; vzg-1; VZG1; LPA-1; GPR26

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100
WB	1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	TBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LPAR1
Gene Full Name	lysophosphatidic acid receptor 1
Background	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]
Function	Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Seems to be coupled to the G(i)/G(o), G(12)/G(13), and G(q) families of heteromeric G proteins. Stimulates phospholipase C (PLC) activity in a manner that is dependent on RALA activation. [UniProt]
Calculated Mw	41 kDa
PTM	N-glycosylated.