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anti-LPAR4 antibody (Extracellular, N-Term)

2 Images



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Overview

Quantity:	25 μL
Target:	LPAR4
Binding Specificity:	AA 3-16, Extracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPAR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DRRFIDFQFQDLNS, corresponding to amino acid residues 3-16 of mouse LPA4 receptor
Isotype:	IgG
Characteristics:	Anti-LPAR4 (P2Y9) (extracellular) Antibody is directed against an epitope of the mouse LPA4 receptor. Anti-LPAR4 (P2Y9) (extracellular) Antibody (ABIN7043315, ABIN7044572 and ABIN7044573)) can be used in western blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the receptor in living cells. It has been designed to recognize LPA4 receptor from mouse, rat and human samples.

Target Details

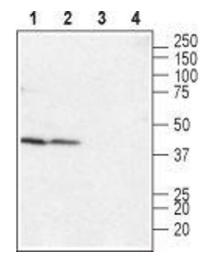
Target:	LPAR4
Alternative Name:	LPAR4 (P2Y9) (LPAR4 Products)
Background:	Alternative names: LPAR4 (P2Y9), Lysophosphatidic acid receptor 4, LPA receptor 4, LPA-4, P2Y purinoceptor 9, Purinergic receptor 9, P2RY9, GPR23
Gene ID:	78134
NCBI Accession:	NM_005296
UniProt:	Q8BLG2

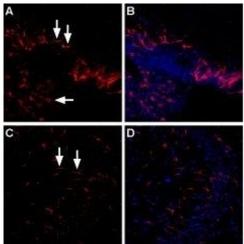
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or $0.2~m\text{L}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.75 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).





Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) heart membranes: - 1,2. Anti-LPAR4 (P2Y9) (extracellular) Antibody (ABIN7043315, ABIN7044572 and ABIN7044573), (1:500).3,4. Anti-LPAR4 (P2Y9) (extracellular) Antibody, preincubated with LPAR4/P2Y9 (extracellular) Blocking Peptide (#BLP-LR034).

Immunohistochemistry

Image 2. Expression of LPA4 receptor in rat and mouse brain - Immunohistochemical staining of rat choroid plexus and mouse hippocampal CA3 region using Anti-LPAR4 (P2Y9) (extracellular) Antibody (ABIN7043315, ABIN7044572 and ABIN7044573), (1:400). A. LPA4 receptor staining (red) in rat choroid plexus appears in astrocytes (vertical arrows) and in cells of the choroid plexus (horizontal arrow). C. LPA4 receptor staining (red) in mouse hippocampal CA3 region is detected in astrocytes (arrows). B, D. Nuclear staining using DAPI as the counterstain (blue).