



# LPPR4 Polyclonal Antibody

<b>Catalog No</b>	BYab-06892
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	LPPR4 KIAA0455 PRG1
<b>Protein Name</b>	Lipid phosphate phosphatase-related protein type 4 (EC 3.1.3.4) (Brain-specific phosphatidic acid phosphatase-like protein 1) (Plasticity-related gene 1 protein) (PRG-1)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein.AA55-80
<b>Specificity</b>	LPPR4 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	83kD
<b>Cell Pathway</b>	Cell junction, synapse, postsynaptic density membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Expressed by glutamatergic neurons (at protein level).
<b>Function</b>	catalytic activity:A 3-sn-phosphatidate + H(2)O = a 1,2-diacyl-sn-glycerol + phosphate.;function:Hydrolyzes lysophosphatidic acid (LPA). Facilitates axonal outgrowth during development and regenerative sprouting. In the outgrowing axons acts as an ecto-enzyme and attenuates phospholipid-induced axon collapse in neurons and facilitates outgrowth in the hippocampus.;similarity:Belongs to the PA-phosphatase related phosphoesterase family.;tissue specificity:Specifically expressed in neurons.;
<b>Background</b>	The protein encoded by this gene belongs to the lipid phosphate phosphatase (LPP) family. LPPs catalyze the dephosphorylation of a number of bioactive lipid mediators that regulate a variety of cell functions. This protein is specifically

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expressed in neurons. It is located in the membranes of outgrowing axons and has been shown to be important for axonal outgrowth during development and regenerative sprouting. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**