

# LPPR4 Polyclonal antibody

Catalog Number: 18979-1-AP

## Basic Information

**Catalog Number:**

18979-1-AP

**Size:**

N/A

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_014839

**GeneID (NCBI):**

9890

**UNIPROT ID:**

Q7Z2D5

**Full Name:**

plasticity related gene 1

**Calculated MW:**

83 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

LPPR4, also named as KIAA0455 and PRG1, 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. LPPR4 is specifically 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. LPPR4 hydrolyzes lysophosphatidic acid (LPA) and 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.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

