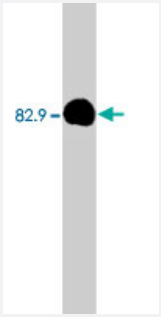
# LPPR4 polyclonal antibody

Catalog # PAB10114 Size 100 ug

## Applications




### Western Blot (Tissue lysate)

Western blot analysis using LPPR4 polyclonal antibody (Cat # PAB10114) on human brain lysate.

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of LPPR4. |
| **Immunogen** | A synthetic peptide corresponding to LPPR4. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | Western blot (5 to 10 mg/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.08% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — LPPR4

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|---|---|
| **Entrez GeneID** | 9890 |
| **Gene Name** | LPPR4 |
| **Gene Alias** | KIAA0455, LPR4, PHP1, PRG-1, PRG1, RP4-788L13.1 |
| **Gene Description** | plasticity related gene 1 |
| **Omim ID** | 607813 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene belongs to the lipid phosphate phosphatase (LPP) family. LPP s catalyze the dephosphorylation of a number of bioactive lipid mediators that regulate a variety of cell functions. This protein is specifically expressed in neurons. It is located in the membranes of o utgrowing axons and has been shown to be important for axonal outgrowth during development an d regenerative sprouting. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000012462\|brain-specific phosphatidic acid phosphatase-like protein 1\|lipid phosp hate phosphatase-related protein type 4 |

## Publication Reference

- A new phospholipid phosphatase, PRG-1, is involved in axon growth and regenerative sprouting.

  Brauer AU, Savaskan NE, Kuhn H, Prehn S, Ninnemann O, Nitsch R.

  Nature Neuroscience 2003 Jun; 6(6):572.

  Application: IF, WB-Ti, Monkey, Rat, COS-7 cells, Hippocampal neurons

## Disease

- Tobacco Use Disorder