

Rabbit LPPR4 Polyclonal Antibody | anti-LPPR4 antibody

LPPR4 Antibody (C-term)

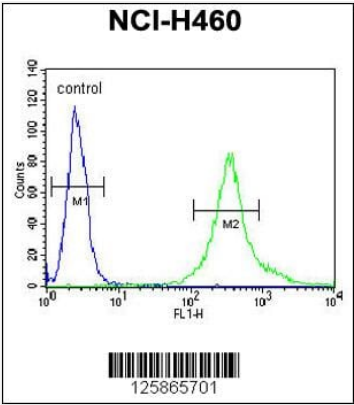
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290052	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

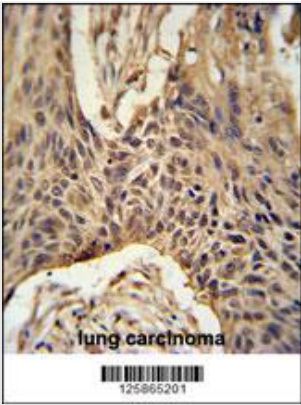
LPPR4; Polyclonal Antibody; LPPR4 Antibody (C-term); Lipid phosphate phosphatase-related protein type 4; Brain-specific phosphatidic acid phosphatase-like protein 1; Plasticity-related gene 1 protein; PRG-1; KIAA0455; PRG1; anti-LPPR4 antibody

PRODUCT SPECIFICATIONS

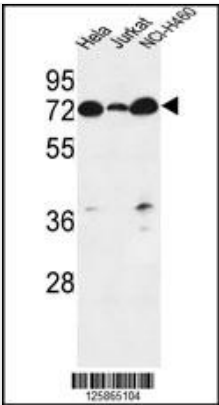
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LPPR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 666-695 amino acids from the C-terminal region of human LPPR4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	666-695
Sequence Length	705
Applicable Applications for anti-LPPR4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
LPPR4 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
LPPR4 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LPPR4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
LPPR4 Antibody (C-term) western blot analysis in HeLa,Jurkat,NCI-H460 cell line lysates (35ug/lane).This demonstrates the LPPR4 antibody detected the LPPR4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LPPR4 antibody	LPPR4 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 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.
Product Categories/Family for anti-LPPR4 antibody	Developmental biology ; Neuroscience ; Signal transduction
References	Trimbuch, T., et al. Cell 138(6):1222-1235(2009) Vasan, R.S., et al. JAMA 302(2):168-178(2009) Brauer, A.U., et al. Nat. Neurosci. 6(6):572-578(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	261278368
NCBI GeneID	9890
NCBI Accession #	NP_001159724.1 ; NP_055654.2
NCBI GenBank Nucleotide #	NM_001166252.1
UniProt Accession #	Q7Z2D5 ; O75043 ; Q5T9R9 ; Q86XQ5 ; Q8N3F1 ; Q96MP0 ; E7EPS1

Molecular Weight	82983
NCBI Official Full Name	lipid phosphate phosphatase-related protein type 4 isoform 2
NCBI Official Symbol	LPPR4
NCBI Official Synonym Symbols	LPR4; PHP1; PRG1; PRG-1
NCBI Protein Information	lipid phosphate phosphatase-related protein type 4
UniProt Protein Name	Lipid phosphate phosphatase-related protein type 4
UniProt Gene Name	LPPR4
UniProt Synonym Gene Names	KIAA0455; PRG1; PRG-1
UniProt Entry Name	LPPR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lppr4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290052>