Rabbit PZR Polyclonal Antibody | anti-PZR antibody

Phospho-PZR (Tyr263) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328336	**Rabbit**	**Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

PZR; Polyclonal Antibody; Phospho-PZR (Tyr263) Antibody; immunoglobulin family transmembrane protein; MPZL1; MPZL1b; myelin protein zero like 1; Myelin protein zero like protein 1; myelin protein zero like protein 1 precursor; myelin protein zero like protein MPZL1b; OTTHUMP00000032519; protein zero related; PZR1b; PZRa; PZRb; anti-PZR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-PZR (Tyr263) Antibody detects endogenous levels of PZR only when phosphorylated at Tyr263.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	119
Applicable Applications for anti-PZR antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PZR around the phosphorylation site of Tyr263.
Tissue Specificity	Widely expressed with highest levels in heart, placenta, kidney and pancreas. Isoform 3 is relatively abundant in hematopoietic tissues and fetal liver. Isoform 1 and isoform 3 are expressed in CD14- PB monocytes and pre-B cell progenitors. Isoform 3 appears to be the major isoform in CD34- promyelocytic and promonocytic cells. During differentiation in monocytic cells, the expression level of isoform 3 decreases and that of isoform 1 increases. Isoform 1 is prominent in stromal cells and, to a lesser extent, in umbilical vein endothelial cells and erythroid progenitors. Isoform 2 is expressed in a erythroid progenitor cell line.
Subcellular Location	Membrane; Single Pass Type I Membrane Protein (Potential)
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of Phospho-PZR (Tyr263) in lysates of HepG2?, using Phospho-PZR (Tyr263) Antibody.

IHC (Immunohiostchemistry)
At 1/100 staining mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

IHC (Immunohistochemistry)
At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-PZR antibody	Description: Cell surface receptor, which is involved in signal transduction processes. Recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. Is a major receptor for concanavalin-A (ConA) and is involved in cellular signaling induced by ConA, which probably includes Src family tyrosine-protein kinases. Isoform 3 seems to have a dominant negative role; it blocks tyrosine phosphorylation of MPZL1 induced by ConA. Isoform 1, but not isoform 2 and isoform 3, may be involved in regulation of integrin-mediated cell motility. Post Translational Modifications: Phosphorylated on tyrosine residues upon stimulation with pervanadate and concanavalin-A (ConA). Phosphorylation at Tyr-241 and Tyr-263 is required for interaction with PTPN11/SHP-2. Dephosphorylated by PTPN11/SHP-2 (in vitro). N-glycosylated. Subunit Structure: Interacts with phosphorylated PTPN11/SHP-2. Similarity: Contains 2 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. Belongs to the myelin P0 protein family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226054871
NCBI GeneID	9019
NCBI Accession #	NP_001139663.1
NCBI GenBank Nucleotide #	NP_001139663.1
UniProt Accession #	O95297
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	myelin protein zero-like protein 1 isoform c
NCBI Official Synonym Full Names	myelin protein zero like 1
NCBI Official Symbol	MPZL1
NCBI Official Synonym Symbols	PZR; PZRa; PZRb; PZR1b; MPZL1b
NCBI Protein Information	myelin protein zero-like protein 1

UniProt Protein Name	Myelin protein zero-like protein 1
UniProt Gene Name	**MPZL1**
UniProt Synonym Gene Names	PZR
UniProt Entry Name	MPZL1_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/pzr-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328336