

Rabbit PMPCB Polyclonal Antibody | anti-PMPCB antibody

PMPCB Antibody

CATALOG # AAA323129	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PMPCB; Polyclonal Antibody; PMPCB Antibody; Beta MPP; Beta-MPP; BetaMPP; Mitochondrial processing peptidase subunit beta; Mitochondrial-processing peptidase subunit beta; MPP11; MPPB; MPPB_HUMAN; MPPP52; P 52; P-52; P52; Peptidase mitochondrial processing beta; anti-PMPCB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PMPCB antibody detects endogenous levels of PMPCB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	489
Applicable Applications for anti-PMPCB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PMPCB.
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323129 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



WB (Western Blot)

Western blot analysis of extracts from ratbrain, using PMPCB antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)

Western blot analysis of extracts of rat liver tissue, using PMPCB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PMPCB antibody

Function: Cleaves presequences (transit peptides) from mitochondrial protein precursors.
Subunit Structure: Heterodimer of alpha and beta subunits.
Similarity: Belongs to the peptidase M16 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94538354
NCBI GeneID	9512
NCBI Accession #	NP_004270.2
NCBI GenBank Nucleotide #	NM_004279.2
UniProt Accession #	O75439; O60416; Q96FV4
Molecular Weight	Observed: 43-52 kDa Predicted: 55 kDa
NCBI Official Full Name	mitochondrial-processing peptidase subunit beta
NCBI Official Synonym Full Names	peptidase, mitochondrial processing beta subunit
NCBI Official Symbol	PMPCB
NCBI Official Synonym Symbols	MPPB; P-52; MPP11; MPPP52; Beta-MPP
NCBI Protein Information	mitochondrial-processing peptidase subunit beta
UniProt Protein Name	Mitochondrial-processing peptidase subunit beta
UniProt Gene Name	PMPCB
UniProt Synonym Gene Names	MPPB

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/pmpcb-antibody-immunohistochemistry-western-blot-elisa/323129>