

Rabbit TPOR Polyclonal Antibody | anti-TPOR antibody

Phospho-TPOR (Tyr626) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329456	Rabbit	Human, Mouse, Rat Predicted Reactivity: Bovine (92%), Sheep (92%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TPOR; Polyclonal Antibody; Phospho-TPOR (Tyr626) Antibody; C MPL; CD110; mpl; MPLV; Myeloproliferative leukemia protein; Myeloproliferative leukemia virus oncogene; Proto-oncogene c-Mpl; THCYT2; Thrombopoietin receptor; TPO R; TPO-R; TPOR_HUMAN; anti-TPOR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Bovine (92%), Sheep (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-TPOR (Tyr626) Antibody detects endogenous levels of TPOR only when phosphorylated at Tyr626. Tissue Specificity: Expressed at a low level in a large number of cells of hematopoietic origin. Isoform 1 and isoform 2 are always found to be coexpressed.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TPOR antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TPOR around the phosphorylation site of Tyr626.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Ubiquitination at Lys-553 and Lys-573 targets MPL for degradation by both the lysosomal and proteasomal pathways. The E3 ubiquitin-protein ligase CBL significantly contributes to this ubiquitination.
Subunit Structure	Homodimer. Interacts with ATXN2L.
Similarity	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation. Belongs to the type I cytokine receptor family. Type 1 subfamily.
Subcellular Location	Cell membrane>Single-pass type I membrane protein. Golgi apparatus. Cell surface.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

At 1/100 staining Mouse spleen 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

Staining Mouse colorectal 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from serum-starved M-07e, using Phospho-TPOR (Tyr626) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TPOR antibody	Receptor for thrombopoietin that acts as a primary regulator of megakaryopoiesis and platelet production. May represent a regulatory molecule specific for TPO-R-dependent immune responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885491
NCBI GeneID	4352
NCBI Accession #	NP_005364.1
NCBI GenBank Nucleotide #	NM_005373.2
UniProt Accession #	P40238; Q5JUZO
Molecular Weight	65,521 Da
NCBI Official Full Name	thrombopoietin receptor
NCBI Official Synonym Full Names	MPL proto-oncogene, thrombopoietin receptor
NCBI Official Symbol	MPL
NCBI Official Synonym Symbols	MPLV; TPOR; C-MPL; CD110; THCYT2
NCBI Protein Information	thrombopoietin receptor; TPO-R; proto-oncogene c-Mpl; myeloproliferative leukemia protein; myeloproliferative leukemia virus oncogene
UniProt Protein Name	Thrombopoietin receptor
UniProt Gene Name	MPL
UniProt Synonym Gene Names	TPOR; TPO-R

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.