10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TPOR Antibody

Rabbit mAb
Catalog # AP91650

Product Information

Application	WB
Primary Accession	P40238
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	C MPL; CD110; mpl; MPLV; THCYT2; Thrombopoietin receptor; TPO R; TPOR;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	71245

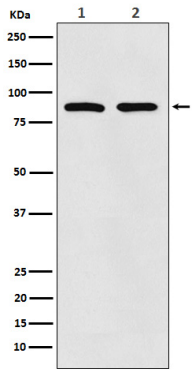
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TPOR
Description	Receptor for thrombopoietin. May represent a regulatory molecule specific for TPO-R-dependent immune responses.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	MPL
Synonyms	TPOR
Function	Receptor for thrombopoietin that regulates hematopoietic stem cell renewal, megakaryocyte differentiation, and platelet formation. Upon activation by THPO, induces rapid tyrosine phosphorylation and activation of JAK2, providing docking sites for many signaling proteins such as STAT5, SHIP/INPP5D, GRB2, SOS1 and PI3K (PubMed:15899890, PubMed:37633268). In turn, These signaling cascades lead to the proliferation, survival, and differentiation of megakaryocytes, ultimately leading to increased platelet production.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Golgi apparatus Cell surface
Tissue Location	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

Images



Western blot analysis of TPOR expression in (1)A431 cell lysate; (2)NIH/3T3 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.