




Anti-Thrombopoietin antibody ab40664

1 References

Overview

Product name	Anti-Thrombopoietin antibody
Description	Rabbit polyclonal to Thrombopoietin
Host species	Rabbit
Specificity	Cross reactivity: Thrombopoietin Human (299-332) 100%; Thrombopoietin Human recombinant ~90% Does not cross react with Erythropoietin Human recombinant.
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Synthetic peptide: PPTGQYTLFP LPPTLPTPVV QLHPLLPDPS APTP conjugated to KLH, corresponding to amino acids 299-332 of Human Thrombopoietin Peptide available as ab93626 .  Run BLAST with  Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks) (add antibacterial agent). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab40664 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 21149592
WB		Use at an assay dependent concentration. Predicted molecular weight: 37 kDa. With this antibody, we have found that blocking with 5% goat or donkey serum significantly reduces background as compared to BSA or milk.

Target

Function

Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

Involvement in disease

Defects in THPO are a cause of essential thrombocythemia (ET) [MIM:187950]. ET is inherited as an autosomal dominant trait which is characterized by elevated platelet levels due to sustained proliferation of megakaryocytes, and frequently lead to thrombotic and haemorrhagic complications.

Sequence similarities

Belongs to the EPO/TPO family.

Domain

Two-domain structure with an erythropoietin-like N-terminal and a Ser/Pro/Thr-rich C-terminal.

Cellular localization

Secreted.

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