

Product datasheet

Anti-Thrombopoietin antibody ab93909

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Overview

Product name	Anti-Thrombopoietin antibody
Description	Rabbit polyclonal to Thrombopoietin
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Thrombopoietin aa 300 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab105988)
Positive control	This antibody gave a positive signal in Human liver tissue lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS. pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab93909** in the following tested applications.

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

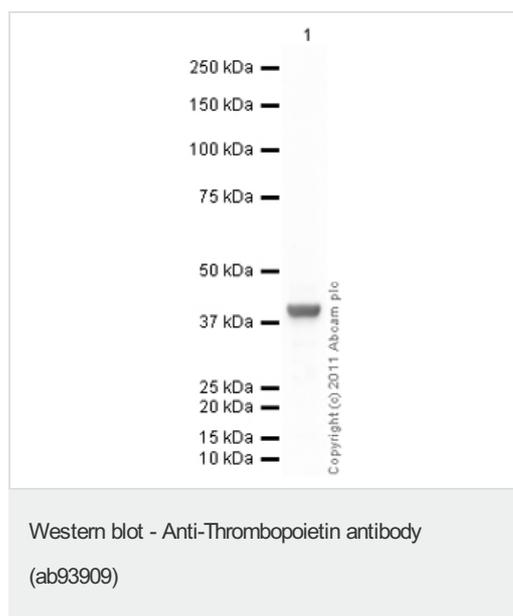
Application	Abreviews	Notes
ICC/IF	★☆☆☆☆	Use a concentration of 10 µg/ml.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 41 kDa (predicted molecular weight: 38 kDa).

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.

Images



Anti-Thrombopoietin antibody (ab93909) at 1 µg/ml + Human liver tissue lysate - total protein (ab29889) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

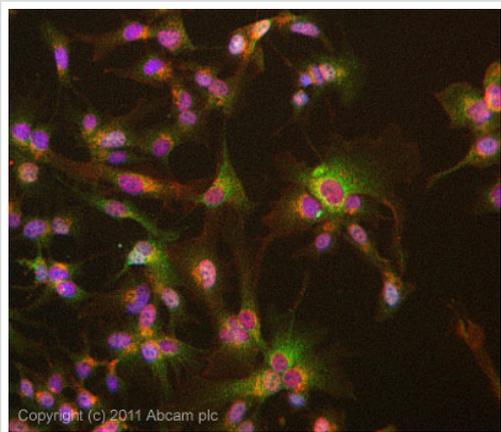
Performed under reducing conditions.

Predicted band size: 38 kDa

Observed band size: 41 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 1 minute



Immunocytochemistry/ Immunofluorescence - Anti-Thrombopoietin antibody (ab93909)

ICC/IF image of ab93909 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab93909 at 10µg/ml overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti- rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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