


Product datasheet

# Anti-Thrombopoietin antibody ab40664

1 References

概述

<b>产品名称</b>	Anti-Thrombopoietin抗体
<b>描述</b>	兔多克隆抗体 to Thrombopoietin
<b>特异性</b>	Cross reactivity: Thrombopoietin Human (299-332) 100%; Thrombopoietin Human recombinant ~90% Does not cross react with Erythropoietin Human recombinant.
<b>经测试应用</b>	<b>适用于:</b> ICC/IF, IHC-P, WB
<b>种属反应性</b>	<b>与反应:</b> Human <b>预测可用于:</b> Chimpanzee 
<b>免疫原</b>	Synthetic peptide: PPTGQYTLFP LPPTLTPV VQLHPLLDPDS APTP conjugated to KLH, corresponding to amino acids 299-332 of Human Thrombopoietin Peptide available as <a href="#">ab93626</a> .  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

性能

<b>形式</b>	Liquid
<b>存放说明</b>	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.
<b>存储溶液</b>	Preservative: None Constituents: Whole serum
<b>纯度</b>	Whole antiserum
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

应用

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.

应用	Ab评论	说明
ICC/IF		1/500.
IHC-P		Use at an assay dependent concentration. PubMed: 21149592
WB		1/800. Detects a band of approximately 59 kDa (predicted molecular weight: 38 kDa). Can be blocked with <a href="#">Human Thrombopoietin peptide (ab93626)</a> . With this antibody, we have found that blocking with 5% goat or donkey serum significantly reduces background as compared to BSA or milk.

## 靶标

功能	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.
疾病相关	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.
序列相似性	Belongs to the EPO/TPO family.
结构域	Two-domain structure with an erythropoietin-like N-terminal and a Ser/Pro/Thr-rich C-terminal.
细胞定位	Secreted.

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