

## 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>宿主</b>	Rabbit
<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 LPPTLPTPVV QLHPLLDPDS 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

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

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