


Product datasheet

Anti-TAP1 antibody ab66074

1 图像

概述

产品名称	Anti-TAP1抗体
描述	小鼠单克隆抗体to TAP1
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: Chimpanzee, Rhesus monkey, Gorilla 
免疫原	Recombinant fragment with tag: GSETRRLSLF LVLVVLSSLG EMAIPFFTGR LTDWILQDGS ADTFTRNLTL MSILTASAV LEFVGDGYN NTMGHVHSHL QGEVFGAVLR QETEFFQQNQ TGNIMSRVTE , corresponding to amino acids 241-350 of Human TAP1 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
阳性对照	TAP1 transfected 293T cell lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein A purified
克隆	单克隆
同种型	IgG3

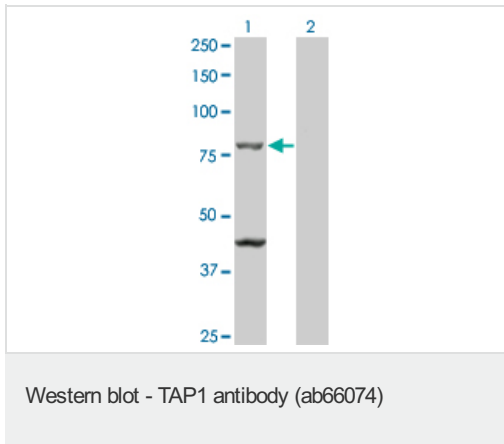
应用

Our [Abpromise guarantee](#) covers the use of **ab66074** 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
ELISA		

应用	Ab评论	说明
WB		
<b>应用说明</b>	<p>ELISA: Use at an assay dependent dilution. Sandwich ELISA - The detection limit for recombinant tagged TAP1 is approximately 3ng/ml as a capture antibody.</p> <p>WB: Use at a concentration of 1 - 5 µg/ml. Detects a band of approximately 81 kDa (predicted molecular weight: 81 kDa).</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>靶标</b>		
<b>功能</b>		<p>Involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. Also acts as a molecular scaffold for the final stage of MHC class I folding, namely the binding of peptide. Nascent MHC class I molecules associate with TAP via tapasin. Inhibited by the covalent attachment of herpes simplex virus ICP47 protein, which blocks the peptide-binding site of TAP. Inhibited by human cytomegalovirus US6 glycoprotein, which binds to the luminal side of the TAP complex and inhibits peptide translocation by specifically blocking ATP-binding to TAP1 and prevents the conformational rearrangement of TAP induced by peptide binding. Inhibited by human adenovirus E3-19K glycoprotein, which binds the TAP complex and acts as a tapasin inhibitor, preventing MHC class I/TAP association. Expression of TAP1 is down-regulated by human Epstein-Barr virus vL-10 protein, thereby affecting the transport of peptides into the endoplasmic reticulum and subsequent peptide loading by MHC class I molecules.</p>
<b>疾病相关</b>		<p>Defects in TAP1 are a cause of bare lymphocyte syndrome type 1 (BLS1) [MIM:604571]; also called HLA class I deficiency. BLS1 is a class I antigen deficiency that is not accompanied by particular pathologic manifestations during the first years of life. Systemic infections have not been described. Chronic bacterial infections, often beginning in the first decade of life, are restricted to the respiratory tract.</p>
<b>序列相似性</b>		<p>Belongs to the ABC transporter superfamily. ABCB family. MHC peptide exporter (TC 3.A.1.209) subfamily.</p> <p>Contains 1 ABC transmembrane type-1 domain.</p> <p>Contains 1 ABC transporter domain.</p>
<b>结构域</b>		<p>The peptide-binding site is shared between the cytoplasmic loops of TAP1 and TAP2.</p>
<b>细胞定位</b>		<p>Endoplasmic reticulum membrane. The transmembrane segments seem to form a pore in the membrane.</p>
<b>图片</b>		



**All lanes** : Anti-TAP1 antibody (ab66074) at 1  $\mu\text{g/ml}$

**Lane 1** : TAP1 transfected 293T cell lysate

**Lane 2** : Non-transfected 293T cell lysate.

Lysates/proteins at 50  $\mu\text{g}$  per lane.

#### **Secondary**

Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

**Predicted band size** : 81 kDa

**Observed band size** : 81 kDa

**Additional bands at** : 45 kDa. We are unsure as to the identity of these extra bands.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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