

## Product datasheet

# Anti-COP1 (phospho S387) antibody ab92579

### 1 图像

#### 概述

产品名称	Anti-COP1 (phospho S387)抗体
描述	兔多克隆抗体to COP1 (phospho S387)
宿主	Rabbit
特异性	ab92579 detects endogenous levels of COP1 only when phosphorylated at serine 387.
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthesized phosphopeptide derived from Human COP1 around the phosphorylation site of serine 387 (T-A-S <sup>P</sup> -Q-L).
阳性对照	K562 cell lysate treated with UV (15 minutes)

#### 性能

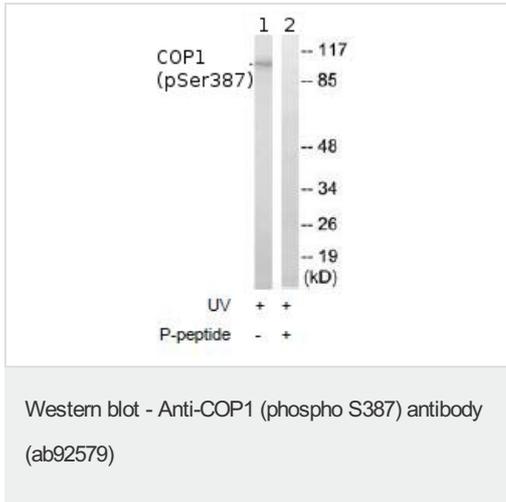
形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab92579 was purified by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab92579** 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
WB		
ELISA		
<b>应用说明</b>	<p>ELISA: 1/10,000.</p> <p>WB: 1/500 - 1/1000. Predicted molecular weight: 80 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>E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in JUN ubiquitination and degradation. Directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. Ubiquitinates p53 independently of MDM2 or RCHY1. Probably mediates E3 ubiquitin ligase activity by functioning as the essential RING domain subunit of larger E3 complexes. In contrast, it does not constitute the catalytic RING subunit in the DCX DET1-COP1 complex that negatively regulates JUN, the ubiquitin ligase activity being mediated by RBX1.</p>	
<b>组织特异性</b>	<p>Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart.</p>	
<b>通路</b>	<p>Protein modification; protein ubiquitination.</p>	
<b>序列相似性</b>	<p>Belongs to the COP1 family.</p> <p>Contains 1 RING-type zinc finger.</p> <p>Contains 7 WD repeats.</p>	
<b>结构域</b>	<p>The RING finger domain, in addition to its role in ubiquitination, functions as a structural scaffold to bring two clusters of positive-charged residues within spatial proximity to mimic a bipartite nuclear localization signal (NLS).</p>	
<b>细胞定位</b>	<p>Nucleus speckle. Cytoplasm. In the nucleus, it forms nuclear speckles.</p>	
<b>图片</b>		



**All lanes :** Anti-COP1 (phospho S387) antibody (ab92579) at 1/500 dilution

**Lane 1 :** K562 cells treated with UV (15 min)

**Lane 2 :** K562 cells treated with UV (15mins) with immunizing peptide at 10 µg

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 80 kDa

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

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