


## Product datasheet

### Anti-TAPP-1 antibody [EPR12061] ab174292

Recombinant RabMAb

3 Images

#### Overview

Product name	Anti-TAPP-1 antibody [EPR12061]
Description	Rabbit monoclonal [EPR12061] to TAPP-1
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide within Human TAPP-1 aa 300-400 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q9HB21</a>
Positive control	MOLT4, HeLa, Jurkat, A549, Human fetal thymus and Human skeletal muscle lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12061
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab174292 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

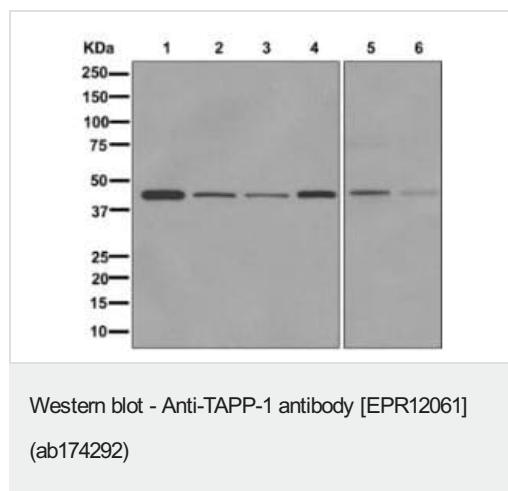
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/5000. Predicted molecular weight: 46 kDa.
<b>IP</b>		1/10 - 1/100.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

<b>Function</b>	Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane.
<b>Tissue specificity</b>	Highly expressed in skeletal muscle, thymus, pancreas, placenta and lung. Detected at low levels in brain, heart, peripheral blood leukocytes, testis, ovary, spinal cord, thyroid, kidney, liver, small intestine and colon.
<b>Sequence similarities</b>	Contains 2 PH domains.
<b>Domain</b>	Binds to membranes enriched in PtdIns3,4P2 via the C-terminal PH domain.
<b>Cellular localization</b>	Cytoplasm. Cell membrane. Nucleus. Locates to the plasma membrane after treatments that stimulate the production of PtdIns3,4P2.

## Images



**All lanes** : Anti-TAPP-1 antibody [EPR12061] (ab174292) at 1/1000 dilution

**Lane 1** : MOLT4 cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : Jurkat cell lysate

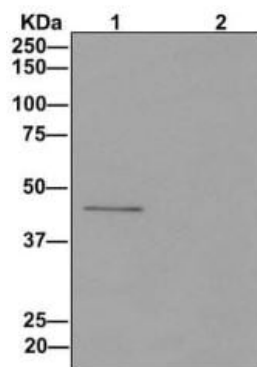
**Lane 4** : A549 cell lysate

**Lane 5** : Human fetal thymus cell lysate

**Lane 6** : Human skeletal muscle cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 46 kDa



Immunoprecipitation - Anti-TAPP-1 antibody  
[EPR12061] (ab174292)

Western blot analysis on immunoprecipitation pellet from (1) MOLT4 cell lysate or (2) 1X PBS (negative control) immunoprecipitated using ab174292 at 1/10 dilution; HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

**All lanes :** Anti-TAPP-1 antibody [EPR12061] (ab174292) at 1/10 dilution

**Lane 1 :** MOLT4 cell lysate

**Lane 2 :** PBS

### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TAPP-1 antibody [EPR12061] (ab174292)

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

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