

## Product datasheet

# Anti-SH3KBP1 antibody [EPR7881(2)] ab151574

Recombinant **RabMAb**

[2 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-SH3KBP1 antibody [EPR7881(2)]
<b>Description</b>	Rabbit monoclonal [EPR7881(2)] to SH3KBP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human SH3KBP1 aa 400-500. The exact sequence is proprietary.
<b>Positive control</b>	Jurkat and THP1 cell lysates; Human colonic adenocarcinoma and tonsil tissues.
<b>General notes</b>	<p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR7881(2)  
**Isotype**                                IgG

## Applications

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**The Abpromise guarantee**        Our [Abpromise guarantee](#) covers the use of ab151574 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
WB		1/1000 - 1/10000. Predicted molecular weight: 73 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes**                    Is unsuitable for Flow Cyt or IP.

## Target

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**Function**                                Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through a association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit (By similarity). May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis.

**Tissue specificity**                    Ubiquitously expressed. Also expressed in some cancer cell lines.

**Sequence similarities**                Contains 3 SH3 domains.

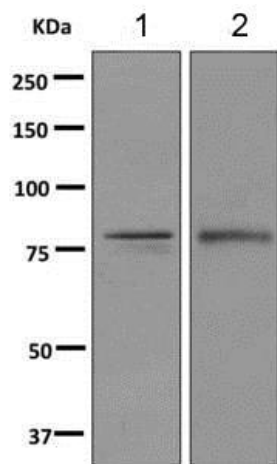
**Domain**                                    The SH3 domains mediate interaction with SHKBP1.

**Post-translational modifications**    Monoubiquitinated by CBL and CBLB after EGF stimulation; probably on its C-terminus.

**Cellular localization**                Cytoplasm > cytoskeleton. Cytoplasmic vesicle membrane. Cell junction > synapse > synaptosome. Cell junction > focal adhesion. Localized in endocytic vesicles containing clustered receptors. Colocalizes with ASAP1 in vesicular structures. Colocalized with actin microfilaments and focal adhesions (By similarity). Colocalized with MAGI2 in synaptosomes.

## Images

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Western blot - Anti-SH3KBP1 antibody [EPR7881(2)] (ab151574)

**All lanes** : Anti-SH3KBP1 antibody [EPR7881(2)] (ab151574) at 1/1000 dilution

**Lane 1** : Jurkat cell lysate

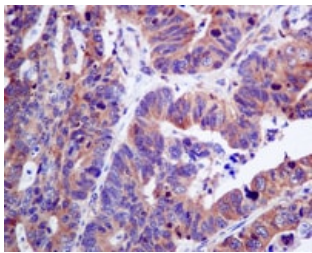
**Lane 2** : THP1 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

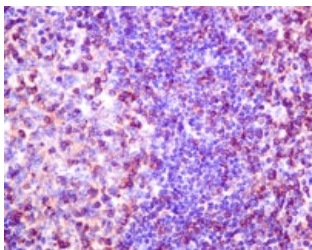
**Predicted band size:** 73 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3KBP1 antibody [EPR7881(2)] (ab151574)

Immunohistochemical analysis of paraffin-embedded Human colonic adenocarcinoma tissue labeling SH3KBP1 with ab151574 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3KBP1 antibody [EPR7881(2)] (ab151574)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling SH3KBP1 with ab151574 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### 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-SH3KBP1 antibody [EPR7881(2)] (ab151574)

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

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