

Product datasheet

Anti-Apc6 antibody [EPR16889] ab181567

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-Apc6 antibody [EPR16889]
Description	Rabbit monoclonal [EPR16889] to Apc6
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: L-929, HeLa, HepG2, HT1080, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates. Human fetal liver and mouse liver tissue lysate. IP: HeLa
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16889
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181567 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. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).
IP		1/30.

Target

Function

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Belongs to the APC6/CDC16 family.

Contains 7 TPR repeats.

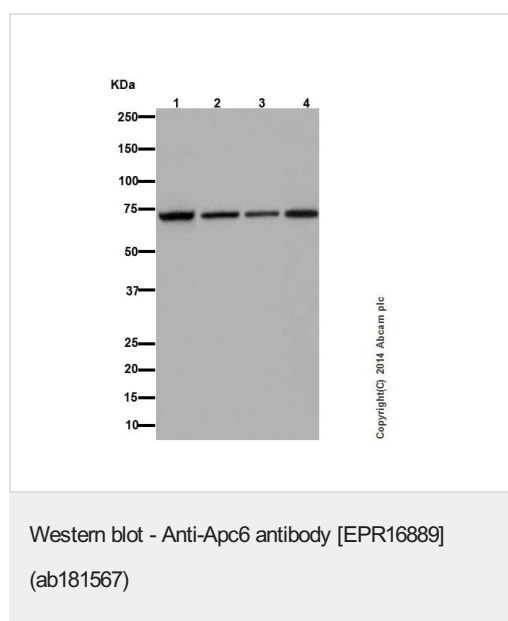
Post-translational modifications

Phosphorylated. Phosphorylation on Ser-560 occurs specifically during mitosis.

Cellular localization

Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle. Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.

Images



All lanes : Anti-Apc6 antibody [EPR16889] (ab181567) at 1/5000 dilution

Lane 1 : L-929 (Mouse connective tissue fibroblast cells) whole cell lysate at 20 µg

Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate at 20 µg

Lane 3 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate at 20 µg

Lane 4 : HT1080 (Human fibrosarcoma cells) whole cell lysate at 10 µg

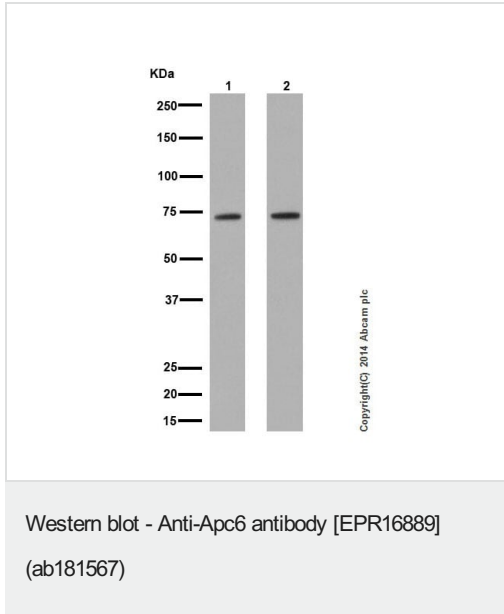
Secondary

All lanes : Goat Anti-Rabbit IgG (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-Apc6 antibody [EPR16889] (ab181567) at 1/1000 dilution

Lane 1 : Human fetal liver tissue lysate

Lane 2 : Mouse liver tissue lysate

Lysates/proteins at 10 µg per lane.

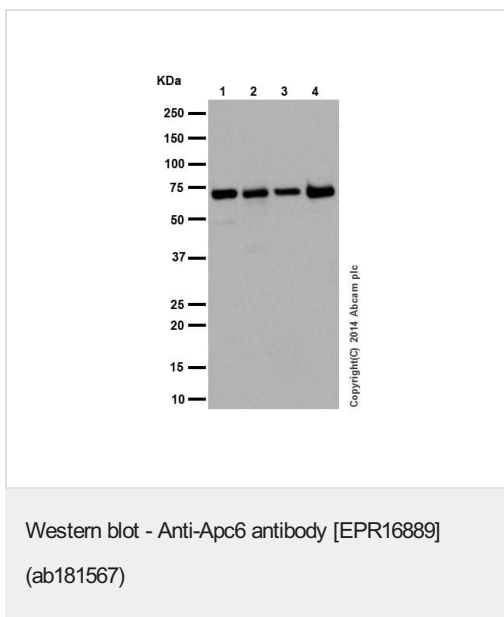
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-Apc6 antibody [EPR16889] (ab181567) at 1/5000 dilution

Lane 1 : C6 (Rat glial tumor cells) whole cell lysates

Lane 2 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysates

Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates

Lane 4 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysates

Lysates/proteins at 10 µg per lane.

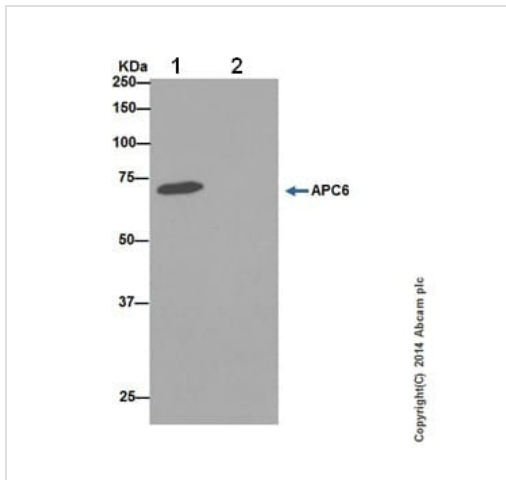
Secondary

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Predicted band size: 71 kDa

Observed band size: 71 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.







Immunoprecipitation - Anti-Apc6 antibody
[EPR16889] (ab181567)

APC6 Protein was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract with ab181567 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab181567 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution. Lane 1: HeLa whole cell extract. Lane 2: PBS instead of HeLa whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Apc6 antibody [EPR16889] (ab181567)

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

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