

Anti-Apc6 antibody [EPR16889] - BSA and Azide free ab250509

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Apc6 antibody [EPR16889] - BSA and Azide free
Description	Rabbit monoclonal [EPR16889] to Apc6 - BSA and Azide free
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.
General notes	<p>ab250509 is the carrier-free version of ab181567.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16889
Isotype	IgG

Applications

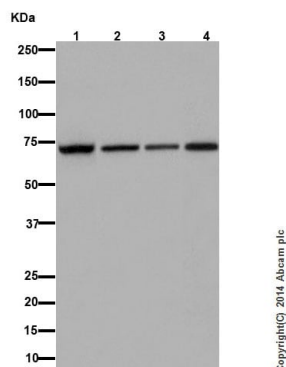
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250509 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).
IP		Use at an assay dependent concentration.

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



Western blot - Anti-Apc6 antibody [EPR16889] - BSA and Azide free (ab250509)

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

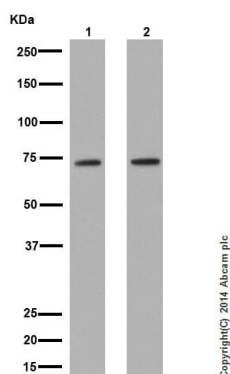
All lanes : Goat Anti-Rabbit IgG (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

This data was developed using [ab181567](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Apc6 antibody [EPR16889] - BSA and Azide free (ab250509)

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

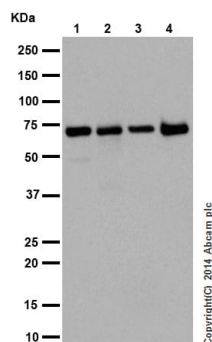
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

This data was developed using [**ab181567**](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Apc6 antibody [EPR16889] - BSA and Azide free (ab250509)

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

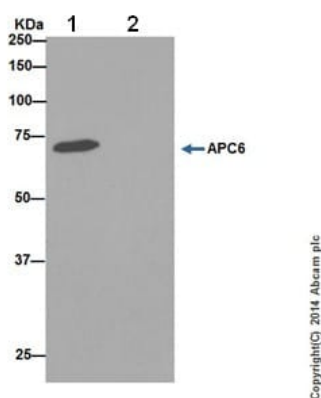
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 71 kDa

Observed band size: 71 kDa

This data was developed using [**ab181567**](#), the same antibody clone in a different buffer formulation.

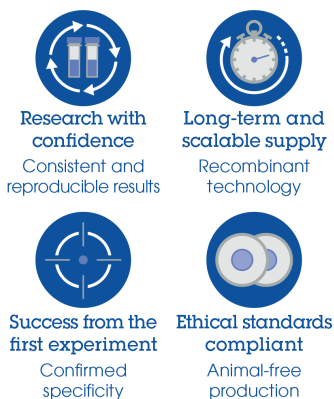
Blocking and dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-Apc6 antibody
[EPR16889] - BSA and Azide free (ab250509)

This data was developed using [ab181567](#), the same antibody clone in a different buffer formulation. 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?



Anti-Apc6 antibody [EPR16889] - BSA and Azide free (ab250509)

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

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