

Product datasheet

Anti-CUL-4A + CUL-4B antibody [EPR3200] - BSA and Azide free ab247477

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-CUL-4A + CUL-4B antibody [EPR3200] - BSA and Azide free
Description	Rabbit monoclonal [EPR3200] to CUL-4A + CUL-4B - BSA and Azide free
Host species	Rabbit
Specificity	Due to the close homology between Cullin 4A and 4B this antibody is likely to react with both forms.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247477 is the carrier-free version of ab76470.</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</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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	EPR3200
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab247477 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

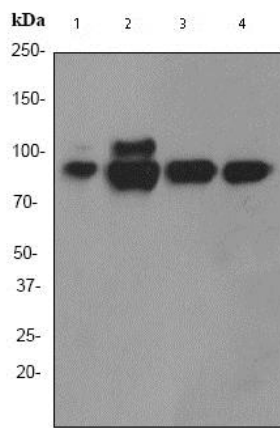
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 88, 102 kDa (predicted molecular weight: 102 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Use of HRP conjugated or polymerized HRP secondary antibodies is recommended. Stronger signals have been found using the polymerized HRP secondary.

Application notes Is unsuitable for ICC/IF or IP.

Target

Relevance Core component of multiple cullin-RING-based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component.

Images



Western blot - Anti-CUL-4A + CUL-4B antibody [EPR3200] - BSA and Azide free (ab247477)

All lanes : Anti-CUL-4A + CUL-4B antibody [EPR3200] (**ab76470**) at 1/5000 dilution

Lane 1 : Fetal uterus lysate

Lane 2 : HeLa lysate

Lane 3 : A375 lysate

Lane 4 : Fetal testis lysate

Lysates/proteins at 10 µg per lane.

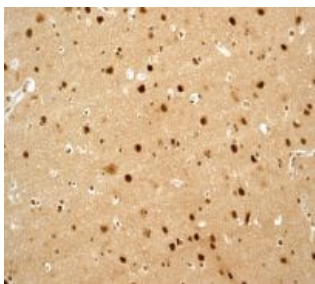
Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 102 kDa

Observed band size: 102,88 kDa

This data was developed using **ab76470**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CUL-4A + CUL-4B antibody [EPR3200] - BSA and Azide free (ab247477)

This data was developed using **ab76470**, the same antibody clone in a different buffer formulation. **ab76470** at 1/100 dilution staining Cullin 4B in human brain tissue, using a HRP/AP polymerized secondary antibody. Perform heat mediated antigen retrieval 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-CUL-4A + CUL-4B antibody [EPR3200] - BSA and Azide free (ab247477)

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

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