

Product datasheet

Anti-Cdc37 antibody [EPR4934] ab109419

Recombinant **RabMAb**

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Overview

Product name	Anti-Cdc37 antibody [EPR4934]
Description	Rabbit monoclonal [EPR4934] to Cdc37
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat, A431, K-562, LNCaP, NIH/3T3, Raw 264.7, PC-12, and C6 whole cell lysates. Rat and mouse heart tissue lysates; IP: Jurkat whole cell lysate.
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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4934

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109419 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. Detects a band of approximately 50 kDa (predicted molecular weight: 44 kDa).
IP		1/20. For unpurified use at 1/10 - 1/100.

Application notes

Is unsuitable for ICC/IF or IHC-P.

Target

Function

Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity.

Sequence similarities

Belongs to the CDC37 family.

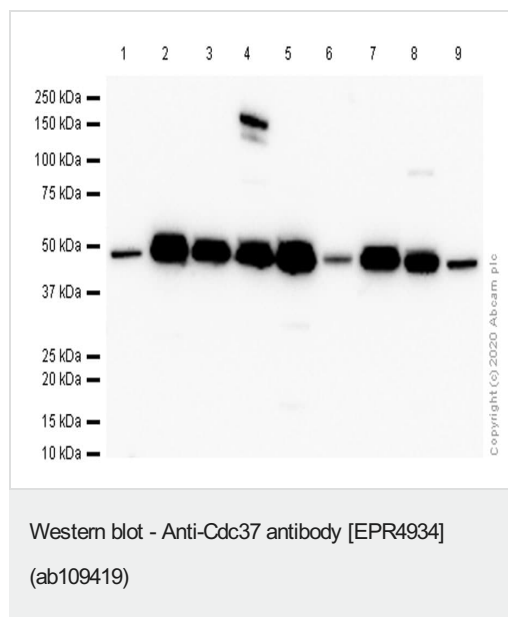
Post-translational modifications

Constitutively sumoylated by UBE2I.

Cellular localization

Cytoplasm.

Images



All lanes : Anti-Cdc37 antibody [EPR4934] (ab109419) at 1/10000 dilution (purified)

Lane 1 : A431 (Human epidermoid carcinoma epithelial cell) whole cell lysate

Lane 2 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate

Lane 3 : LNCaP (Human prostate carcinoma epithelial cell) whole cell lysate

Lane 4 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 5 : Raw 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 6 : Mouse heart lysate

Lane 7 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 8 : C6 (Rat glial tumor glial cell) whole cell lysate

Lane 9 : Rat heart lysate

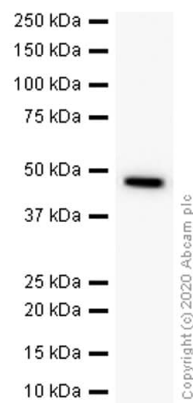
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



Western blot - Anti-Cdc37 antibody [EPR4934] (ab109419)

Anti-Cdc37 antibody [EPR4934] (ab109419) at 1/10000 dilution (purified) + Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



Immunoprecipitation - Anti-Cdc37 antibody [EPR4934] (ab109419)

Purified ab109419 at 1/20 dilution (0.5 µg) immunoprecipitating Cdc37 in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10 µg

Lane 2 (+): ab109419 + Jurkat whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab109419 in Jurkat whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 44 kDa

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-Cdc37 antibody [EPR4934] (ab109419)

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

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