


Product datasheet

Anti-p400 antibody ab70301

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Overview

Product name	Anti-p400 antibody
Description	Rabbit polyclonal to p400
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rat, Horse, Guinea pig, Cow, Pig, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to a region between C terminal residues 3075 and 3124 of human p400
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab70301 was affinity purified using an epitope specific to p400 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70301 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		1/2000 - 1/5000. Detects a band of approximately 470 kDa (predicted molecular weight: 344 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function

Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. May be required for transcriptional activation of E2F1 and MYC target genes during cellular proliferation. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. May regulate ZNF42 transcription activity.

Tissue specificity

Ubiquitously expressed.

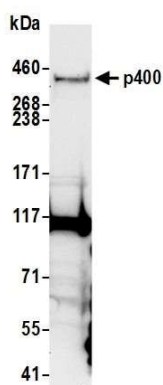
Sequence similarities

Belongs to the SNF2/RAD54 helicase family. SWR1 subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.
Contains 1 HSA domain.
Contains 1 Myb-like domain.

Cellular localization

Nucleus.

Images

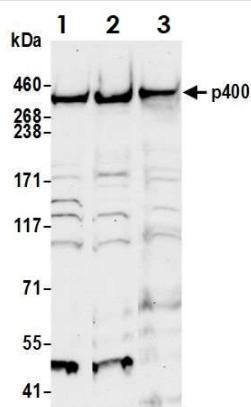


Anti-p400 antibody (ab70301) at 0.4 µg/ml + NIH/3T3 whole cell lysate at 50 µg

Predicted band size: 344 kDa

Exposure time: 30 seconds

Western blot - Anti-p400 antibody (ab70301)



Western blot - Anti-p400 antibody (ab70301)

All lanes : Anti-p400 antibody (ab70301) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate

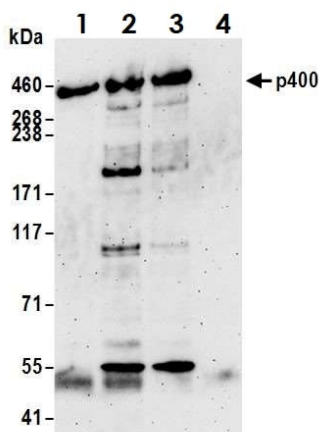
Lane 2 : K-562 whole cell lysate

Lane 3 : MCF-7 whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 344 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-p400 antibody (ab70301)

Immunoprecipitation of ab70301 using HeLa cells.

Lane 1: rabbit anti-p400 antibody

Lane 2: ab70301 current lot

Lane 3: ab70301 previous lot

Lane 4: Control IgG

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

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