


Product datasheet

Anti-BRD8/p120 antibody ab17969

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Overview

Product name	Anti-BRD8/p120 antibody
Description	Rabbit polyclonal to BRD8/p120
Host species	Rabbit
Specificity	Specific to p120
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Rat, Rabbit, Horse, Guinea pig, Dog, Pig, Rhesus monkey, Gorilla, Opossum, Chinese hamster, Elephant 
Immunogen	Synthetic peptide within BRD8/p120 aa 200-300. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q9H0E9
Positive control	Nuclear extract from HeLa cells.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
Purity	Immunogen affinity purified
Purification notes	Antibody was affinity purified using an epitope specific to BRD8/p120 immobilized on solid

	support.
Clonality	Polyclonal
Isotype	IgG

Applications

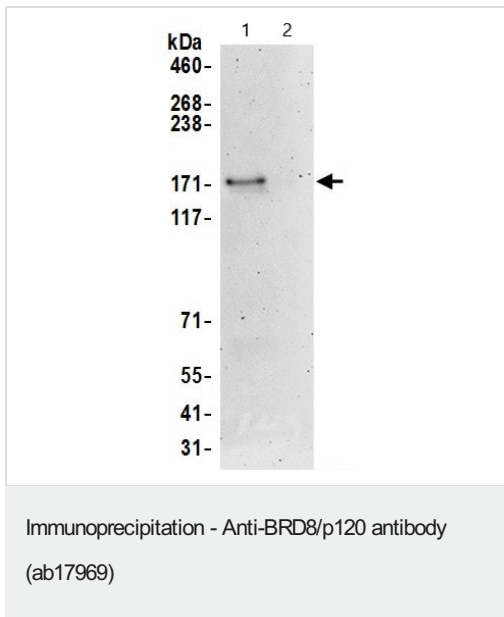
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab17969 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/10000 - 1/25000. Detects a band of approximately 170 kDa (predicted molecular weight: 138 kDa).

Target

Function	May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Isoform 2 stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. At least isoform 1 and isoform 2 are components of the NuA4 histone acetyltransferase (HAT) 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. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome.
Tissue specificity	Expressed in adipose tissue, brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.
Sequence similarities	Contains 2 bromo domains.
Cellular localization	Nucleus.

Images

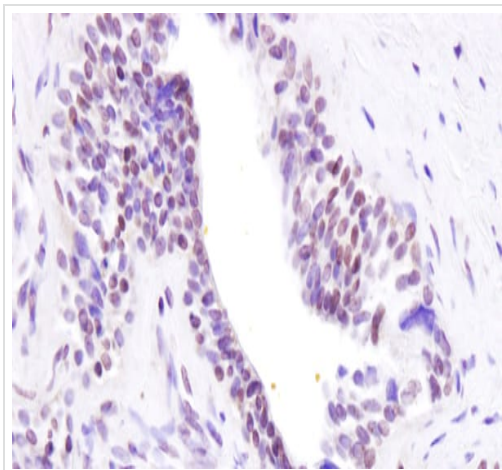


ab17969 immunoprecipitating BRD8 at 6 µg per reaction.

Lane 1: ab17969 in HeLa nuclear extract (0.5 or 1 mg per IP reaction; 20% of IP loaded).

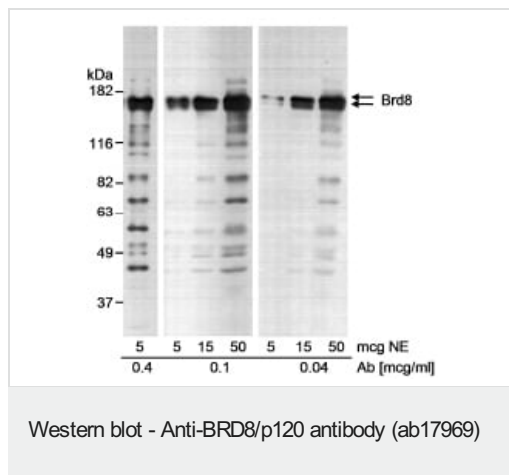
Lane 2: IgG control

For blotting immunoprecipitated BRD8, ab17969 was used at 1 µg/mL. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling BRD8 / p120 with ab17969 at 1/1000 (1 µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD8/p120 antibody (ab17969)



Detection of human BRD8 by Western Blot. Sample is nuclear extract (NE; 5, 15, and 50mcg) from HeLa cells.

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