


Product datasheet

Anti-INO80 antibody ab118787

★★★★★ [1 Abreviews](#) [12 References](#) [2 Images](#)

Overview

Product name	Anti-INO80 antibody
Description	Rabbit polyclonal to INO80
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Bat 
Immunogen	Synthetic peptide corresponding to a region within amino acids 1506-1556 of Human INO80 (NP_060023.1).
Positive control	HeLa, 293T and Jurkat whole cell lysate (ab7899).
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: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
Purity	pH 7-8 Immunogen affinity purified
Purification notes	ab118787 was affinity purified using an epitope specific to INO80 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

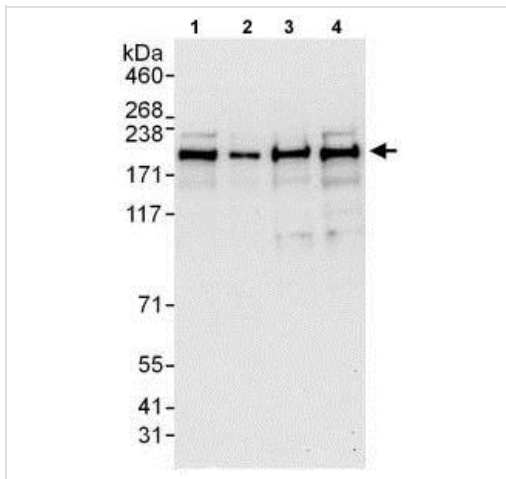
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab118787 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 176 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function	DNA helicase and probable main scaffold component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair; according to PubMed:20687897 the contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation. Recruited by YY1 to YY1-activated genes, where it acts as an essential coactivator. Binds DNA. In vitro, has double stranded DNA-dependent ATPase activity. Involved in UV-damage excision repair, DNA replication and chromosome segregation during normal cell division cycle.
Tissue specificity	According to PubMed:10574462, widely expressed. According to PubMed:16298340, specifically expressed in brain, liver and pancreas.
Sequence similarities	Belongs to the SNF2/RAD54 helicase family. Contains 1 DBINO domain. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
Domain	The DBINO region is involved in binding to DNA.
Cellular localization	Nucleus. Colocalizes with PCNA at replication forks during S-phase. Recruited to DNA damage sites in a ACTR8-dependent manner.

Images



Western blot - Anti-INO80 antibody (ab118787)

All lanes : Anti-INO80 antibody (ab118787) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

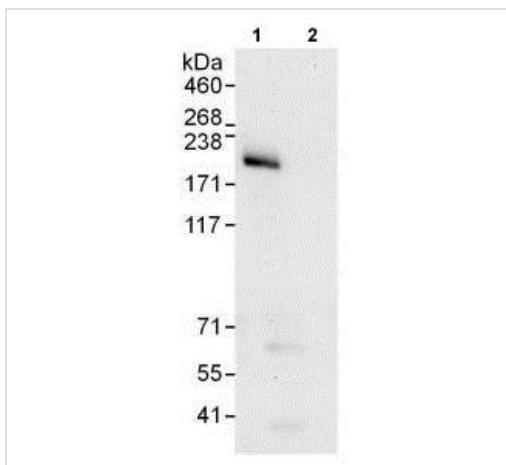
Lane 3 : 293T whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 176 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-INO80 antibody (ab118787)

Detection of INO80 in Immunoprecipitates of HeLa whole cell lysates (1 mg for IP, 20% of IP loaded) using ab118787 at 6 µg/mg lysate for IP (Lane 1) and at 1 µg/ml for subsequent Western blot detection. Lane 2 represents control IgG IP.

Detection: Chemiluminescence with an exposure time of 30 seconds.

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

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