

For Research Use Only

INO80B Polyclonal antibody

Catalog Number: 29488-1-AP

Featured Product



Basic Information

Catalog Number:

29488-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30345

GenBank Accession Number:

BC050666

GeneID (NCBI):

83444

UNIPROT ID:

Q9C086

Full Name:

INO80 complex subunit B

Calculated MW:

356 aa, 39 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

Human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, HeLa cells, MCF-7 cells

IHC : mouse ovary tissue,

IF/ICC : HepG2 cells,

Background Information

INO80B (INO80 complex subunit B), also known as ZNHIT4 (zinc finger HIT domain-containing protein 4), PAPA1 (PAP-1-associated protein 1), is a subunit of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. INO80B is localized to the nucleolus. The function of INO80B is to induce growth arrest by halting the cell cycle at the G1 phase. INO80B expression is controlled at the transcriptional level and is highest at the G0 and G1 phases of the cell cycle. In vitro, INO80B binds PAP-1, a splicing factor, and may play a role in nucleolar complexes that regulate ribosome biogenesis and cell cycle events.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

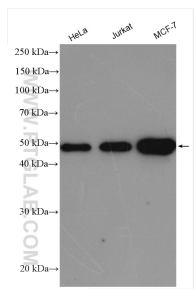
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

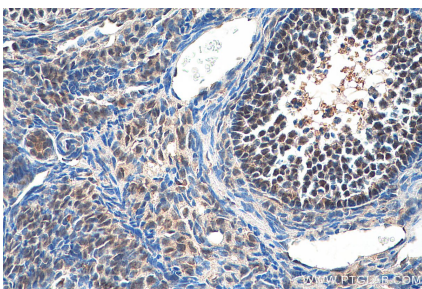
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Selected Validation Data



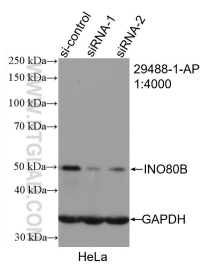
Jurkat cells were subjected to SDS PAGE followed by western blot with 29488-1-AP (INO80B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 29488-1-AP (INO80B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using INO80B antibody (29488-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



WB result of INO80B antibody (29488-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-INO80B transfected HeLa cells.