

For Research Use Only

# INO80 Polyclonal antibody

Catalog Number: 24819-1-AP

Featured Product

4 Publications



## Basic Information

|  |  |  |
|--|--|--|
| <b>Catalog Number:</b><br>24819-1-AP   | <b>GenBank Accession Number:</b><br>BC146785       | <b>Purification Method:</b><br>Antigen affinity purification                                     |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>54617                     | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>INO80 homolog (S. cerevisiae) | <b>Calculated MW:</b><br>1556 aa, 177 kDa  |
| <b>Isotype:</b><br>IgG   | <b>Observed MW:</b><br>177 kDa, 150 kDa            | <b>Immunogen Catalog Number:</b><br>AG20309  |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>IHC, IP, WB, ELISA | <b>Positive Controls:</b><br>WB : HeLa cells, HepG2 cells |
| <b>Cited Applications:</b><br>WB                  | <b>IP :</b> HeLa cells,                                   |
| <b>Species Specificity:</b><br>human              | <b>IHC :</b> human colon cancer tissue,                   |
| <b>Cited Species:</b><br>human                    |   |

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

## Background Information

DNA helicase INO80, also named as INO80 or hINO80, is a 1,556 amino acid protein, which contains one helicase C-terminal domain, one helicase ATP-binding domain, and one DBINO domain. INO80 co-localizes with PCMA at replication forks during S-phase in the nucleus and belongs to the SNF2 helicase family. INO80 is a component of the chromatin remodeling INO80 complex and is widely expressed in many tissues, such as brain, liver and pancreas. INO80 is involved in transcription regulation.

## Notable Publications

| Author          | Pubmed ID | Journal                | Application |
|-----------------|-----------|------------------------|-------------|
| Sven Kracker    | 25312759  | J Allergy Clin Immunol | WB          |
| Bingying Zhou   | 27340176  | Genes Dev              |             |
| Eleonora Napoli | 30054502  | Sci Rep                | WB          |

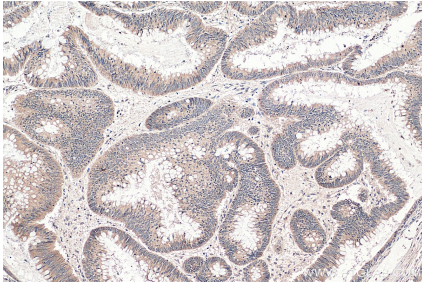
## Storage

**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

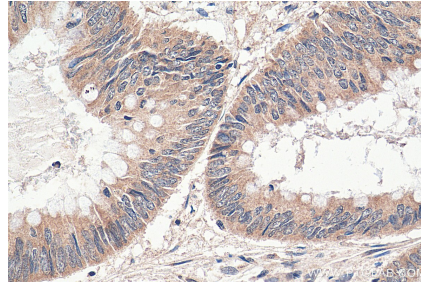
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



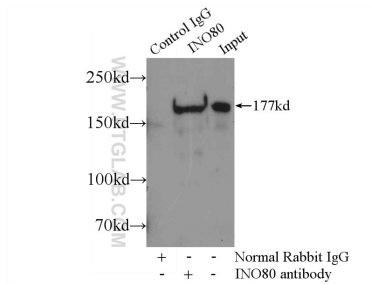
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24819-1-AP (INO80 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24819-1-AP (INO80 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 24819-1-AP (INO80 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-INO80 (IP:24819-1-AP, 4ug; Detection:24819-1-AP 1:500) with HeLa cells lysate 2000ug.