

# INO80 Monoclonal antibody

Catalog Number: 68064-1-Ig

## Basic Information

<b>Catalog Number:</b> 68064-1-Ig	<b>GenBank Accession Number:</b> BC146785	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1500 µg/ml	<b>GeneID (NCBI):</b> 54617	<b>CloneNo.:</b> 1F11C5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9ULG1	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:250-1:1000
<b>Isotype:</b> IgG1	<b>Full Name:</b> INO80 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG20265	<b>Calculated MW:</b> 1556 aa, 177 kDa <b>Observed MW:</b> 177 kDa	

## Applications

**Tested Applications:**  
WB, IHC, FC (Intra), ELISA

**Species Specificity:**  
human, mouse, rat

**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 :** K-562 cells, HeLa cells, HEK-293 cells, Jurkat cells, NIH/3T3 cells, RAW 264.7 cells, PC-12 cells

**IHC :** human colon cancer tissue,

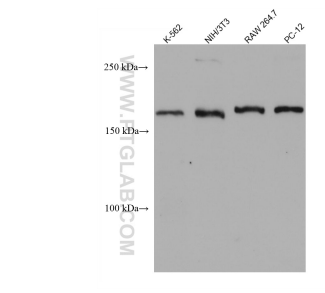
## Background Information

DNA helicase INO80, also named 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.

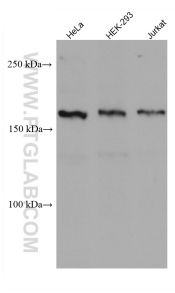
## Storage

**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**

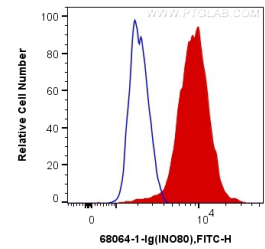
Selected Validation Data



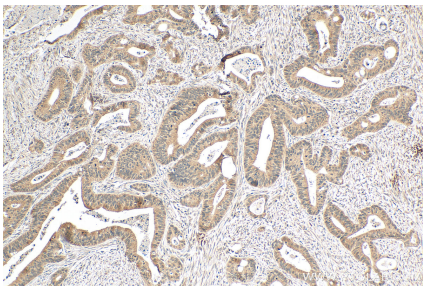
Various lysates were subjected to SDS PAGE followed by western blot with 68064-1-Ig (INO80 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



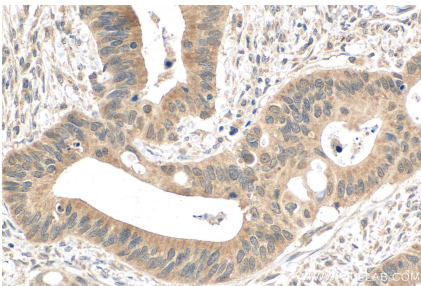
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1X10<sup>6</sup> PC-12 cells were intracellularly stained with 0.8 ug Anti-Human INO80 (68064-1-Ig, Clone:1F11C5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68064-1-Ig (INO80 antibody) at dilution of 1:500 (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 68064-1-Ig (INO80 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).