

# INO80 Monoclonal antibody

Catalog Number: 68064-1-Ig

## Basic Information

**Catalog Number:**

68064-1-Ig

**Concentration:**

1500 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG20265

**GenBank Accession Number:**

BC146785

**GeneID (NCBI):**

54617

**UNIPROT ID:**

Q9ULG1

**Full Name:**

INO80 homolog (S. cerevisiae)

**Calculated MW:**

1556 aa, 177 kDa

**Observed MW:**

177 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1F11C5

**Recommended Dilutions:**

WB: 1:1000-1:6000

IHC: 1:250-1:1000

FC (Intra): 0.80 µg per 10<sup>6</sup> cells in a 100 µl suspension

## 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,

FC (Intra) : PC-12 cells,

## 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:**

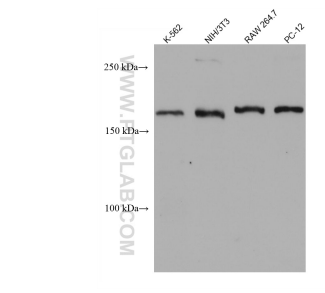
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

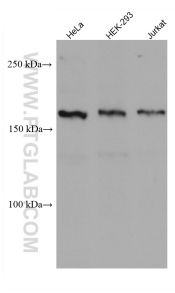
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

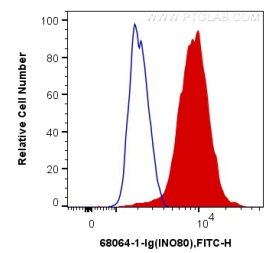
Selected Validation Data



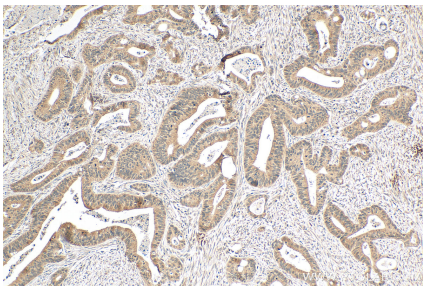
Various lysates were subjected to SDS PAGE followed by western blot with 68064-1-Ig (INO80 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



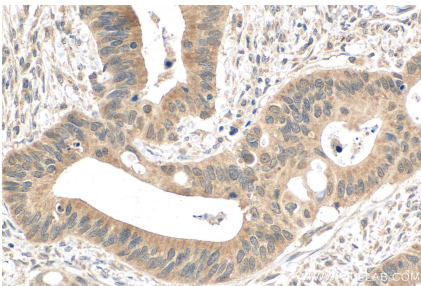
Various lysates were subjected to SDS PAGE followed by western blot with 68064-1-Ig (INO80 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 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).