

For Research Use Only

# ING2 Polyclonal antibody

Catalog Number: 11560-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

11560-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2121

### GenBank Accession Number:

BC030128

### GeneID (NCBI):

3622

### UNIPROT ID:

Q9H160

### Full Name:

inhibitor of growth family, member 2

### Calculated MW:

280 aa, 33 kDa

### Observed MW:

33 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IP, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293 cells, human liver tissue

IP : HEK-293 cells,

IHC : human colon cancer tissue, human cervical cancer tissue

IF/ICC : HEK-293 cells,

**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

ING2, also named as ING1L, belongs to the ING family and contains a PHD-type zinc finger. It is induced by the DNA-damaging agent neocarzinostatin. As a candidate tumor suppressor, ING2 seems to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, probably by enhancing acetylation of p53/TP53. It is a component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. Recent finding reported that ING2 regulates muscle differentiation by regulating chromatin remodeling program. Catalog# 11560-1-AP is a rabbit polyclonal antibody raised against full length ING2 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xue-Feng Yang	30655738	Oncol Lett	IHC
Jianji Chen	33969871	Biochem J	IP
Zhang Hua-kun HK	18160212	Cancer Lett	IHC

## 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

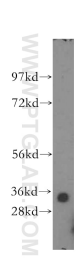
For technical support and original validation data for this product please contact:

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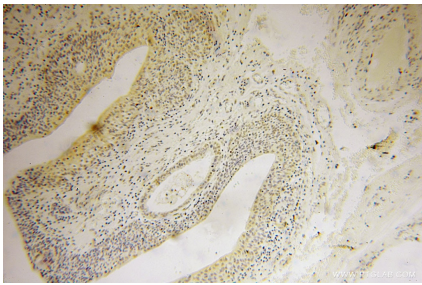
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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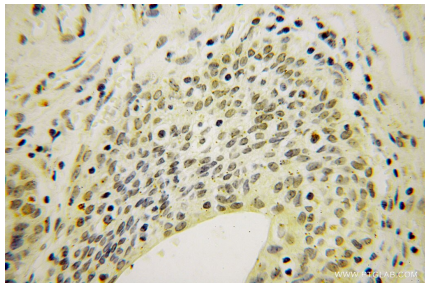
Selected Validation Data



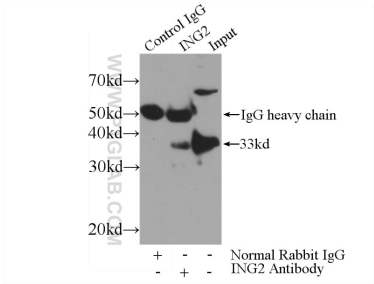
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11560-1-AP (ING2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



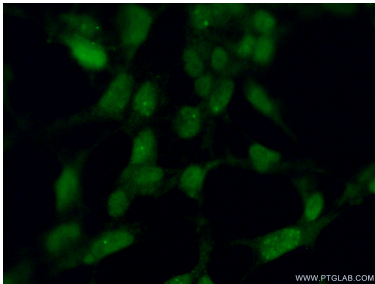
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11560-1-AP (ING2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11560-1-AP (ING2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-ING2 (IP:11560-1-AP, 3ug; Detection:11560-1-AP 1:500) with HEK-293 cells lysate 1000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 11560-1-AP (ING2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).