

For Research Use Only

ING2 Polyclonal antibody

Catalog Number: 11560-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 11560-1-AP	GenBank Accession Number: BC030128	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3622	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: inhibitor of growth family, member 2	IHC 1:20-1:200 IF 1:50-1:500
Isotype: IgG	Calculated MW: 280 aa, 33 kDa	
Immunogen Catalog Number: AG2121	Observed MW: 33 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

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: HEK-293 cells, human liver tissue

IP: HEK-293 cells,

IHC: human colon cancer tissue, human cervical cancer tissue

IF: HEK-293 cells,

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:

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

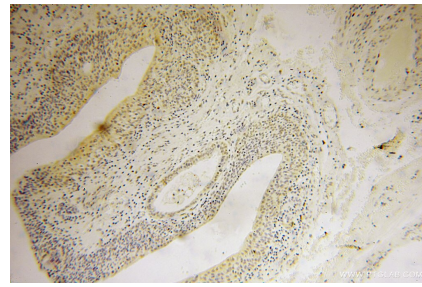
E: proteintech@ptglab.com
W: ptglab.com

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

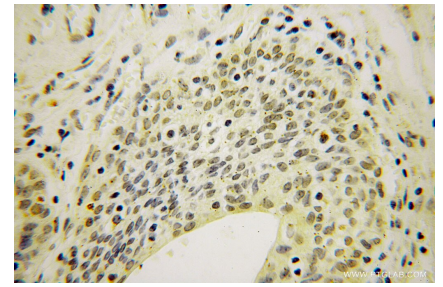
Selected Validation Data



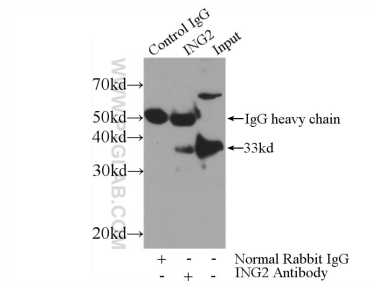
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11560-1-AP (ING2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



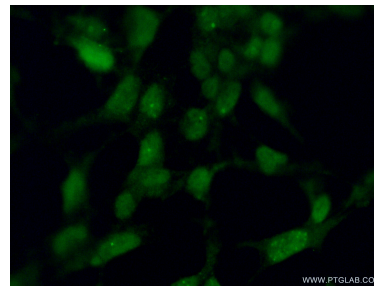
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11560-1-AP (ING2 antibody) at dilution of 1:50 (under 10x lens).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).