

For Research Use Only

ING5 Polyclonal antibody

Catalog Number: 10665-1-AP

Featured Product

26 Publications



Basic Information

Catalog Number:

10665-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1059

GenBank Accession Number:

BC005370

GeneID (NCBI):

84289

Full Name:

inhibitor of growth family, member 5

Calculated MW:

28 kDa

Observed MW:

28-32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total

protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: Jurkat cells, PC-3 cells, mouse kidney tissue, HEK-293 cells

IP: HEK-293 cells,

IHC: human colon cancer tissue, human ovary tumor tissue

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

ING5, also named as p28ING5, belongs to the ING family. It is a component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. ING5 is a component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Through chromatin acetylation it may regulate DNA replication and may function as a transcriptional coactivator. (PMID:12750254) Altered ING5 expression and its shift into the cytoplasm may have an impact on the malignant transformation of colorectal epithelial cells and should be considered as a biomarker for colorectal carcinogenesis. (PMID:21193223)

Notable Publications

Author	Pubmed ID	Journal	Application
Yahan Wu	32973339	Cell Res	WB
Kumi Matsuura	32918898	Exp Cell Res	WB
Neslisah Barlak	31475765	Cell Biol Int	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

*** 20ul sizes contain 0.1% BSA

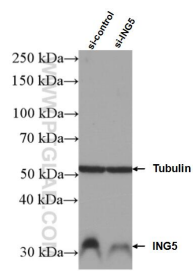
For technical support and original validation data for this product please contact:

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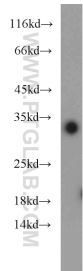
E: proteintech@ptglab.com
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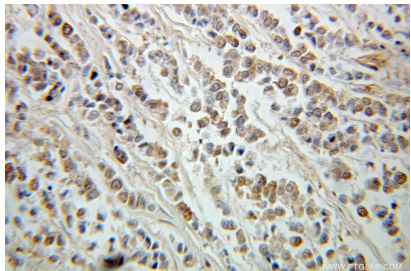
Selected Validation Data



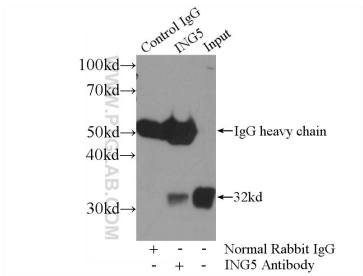
WB result of ING5 antibody (10665-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ING5 transfected Jurkat cells.



Jurkat cells were subjected to SDS PAGE followed by western blot with 10665-1-AP (ING5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10665-1-AP (ING5 antibody) at dilution of 1:100 (under 25x lens).



IP Result of anti-ING5 (IP:10665-1-AP, 4ug; Detection:10665-1-AP 1:700) with HEK-293 cells lysate 2560ug.