

## ING5 Polyclonal Antibody

Catalog number: 10665-1-AP

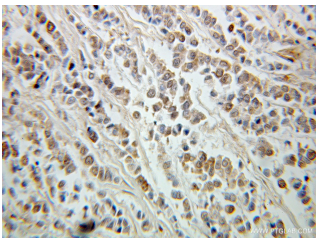
Size: 31 µg/150 µl

Source: Rabbit

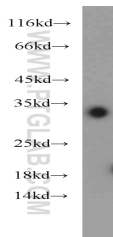
Isotype: IgG

Synonyms:

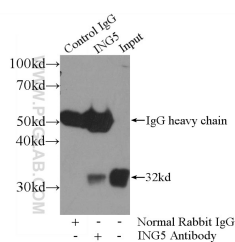
ING5; FLJ23842, ING5, Inhibitor of growth protein 5, p28ING5



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



Jurkat cells were subjected to SDS PAGE followed by western blot with 10665-1-AP(ING5 antibody) at dilution of 1:1000



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

### Background

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)

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated ING5 MW:	28 kDa
Observed ING5 MW:	28-32 kDa
Positive WB detected in	Jurkat cells, HEK-293 cells, mouse kidney tissue, PC-3 cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human colon cancer tissue, human ovary tumor tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1059
GenBank accession number:	BC005370
Gene ID (NCBI):	84289
Full name:	Inhibitor of growth family, member 5

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.