

ING4 Polyclonal Antibody

Catalog number: 10617-1-AP

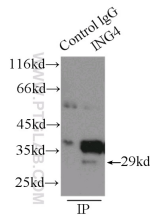
Size: 20 µg/150 µl

Source: Rabbit

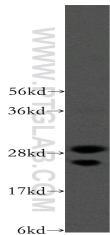
Isotype: IgG

Synonyms:

ING4; ING4, Inhibitor of growth protein 4, my036, p29ING4



IP Result of anti-ING4 (IP:10617-1-AP, 3µg; Detection:10617-1-AP 1:200) with HEK-293 cells lysate 2700µg.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10617-1-AP(ING4 antibody) at dilution of 1:0

Background

ING4, also named as p29ING4, 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. It may inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. ING4 can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA. It may also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC. Represses hypoxia inducible factor's (HIF) activity by interacting with HIF prolyl hydroxylase 2 (EGLN1). ING4 is a tumor suppressor gene that interacts with NFkB and represses its transcriptional activity. Several lines of evidence suggest that the tumor suppressor gene ING4, NFkB and its target genes matrix metalloproteases MMP-2, MMP-9 and urokinase plasminogen activator (u-PA) are critically involved in tumor invasion. This antibody is a rabbit polyclonal antibody raised against full length human ING4 antigen.

Applications

Tested applications:	ELISA, WB, IP
Cited applications:	IF, IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated ING4 MW:	29kd
Observed ING4 MW:	29kd
Positive WB detected in	HEK-293 cells, HeLa cells
Positive IP detected in	HEK-293 cells
Recommended dilution:	WB: 1:250 - 1:1000 IP: 1:100 - 1:400

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

Immunogen information

Immunogen:	Ag0960
GenBank accession number:	BC007781
Gene ID (NCBI):	51147
Full name:	Inhibitor of growth family, member 4

Product information

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