

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ING4-specific



Numéro de catalogue: 16188-1-AP

7 Publications

Informations de base

Numéro de catalogue:

16188-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_001127582

Identification du gène (NCBI):

51147

Nom complet:

inhibitor of growth family, member 4

MW calculé

29 kDa

MW observés:

29-32 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain

Contrôles positifs:

WB : cellules Jurkat, cellules HEK-293, cellules HeLa, tissu de côlon de souris

IP : cellules HeLa,

IHC : tissu cérébral humain, tissu de cancer du foie humain

IF : cellules HepG2,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

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 u-PA are critically involved in tumor invasion. This antibody is specifically against p29ING4.

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhang Guohong G	23028750	PLoS One	IHC
Xin Ren	27484725	Mol Med Rep	IHC
Li Xiao-han XH	21310648	Oral Oncol	WB,IHC,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azote de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

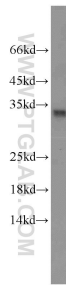
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

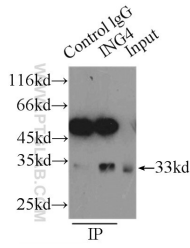
E: proteintech@ptglab.com
W: ptglab.com

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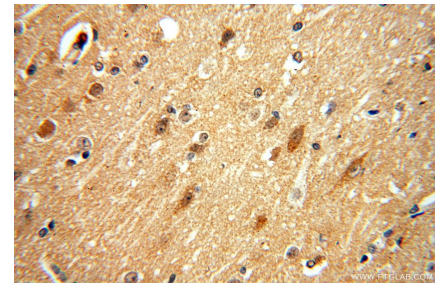
Données de validation sélectionnées



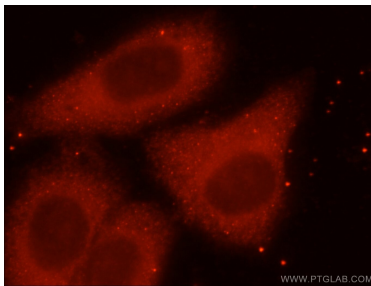
Jurkat cells were subjected to SDS PAGE followed by western blot with 16188-1-AP (ING4-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-ING4-specific (IP:16188-1-AP, 3ug; Detection:16188-1-AP 1:300) with HeLa cells lysate 2500ug.



Immunohistochemical analysis of paraffin-embedded human brain using 16188-1-AP (ING4-specific antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 16188-1-AP (ING4-specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.