

Nur für Forschungszwecke

ING4-specific Polyklonaler Antikörper



Katalog-Nr.: 16188-1-AP

7 Publikationen

Allgemeine Informationen

Katalog-Nr.: 16188-1-AP	GenBank-Zugangsnummer: NM_001127582	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop und 300 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 51147	Empfohlene Verdünnungen: WB 1:500-1:1000 IP 0.5-4.0 µg für IP und 1:200-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: inhibitor of growth family, member 4	IHC 1:20-1:200 IF 1:10-1:100
Isotyp: IgG	Berechnete Masse: 29 kDa	
	Beobachtete Masse: 29-32 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB: Jurkat-Zellen, HEK-293-Zellen, HeLa-Zellen, Maus-Kolongewebe
In Publikationen genannte Anwendungen: IF, IHC, WB	IP: HeLa-Zellen,
Getestete Reaktivität: Human, Maus, Ratte	IHC: humanes Hirngewebe, humanes Leberkarzinomgewebe
Zitierte Arten: Human	IF: HepG2-Zellen,

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

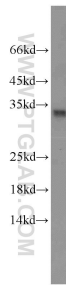
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

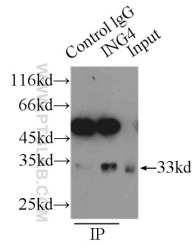
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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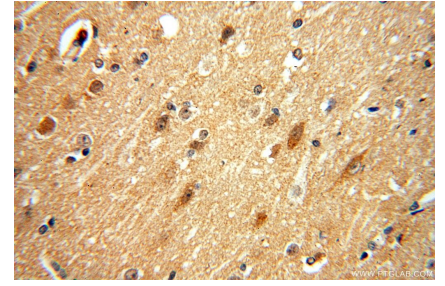
Ausgewählte Validierungsdaten



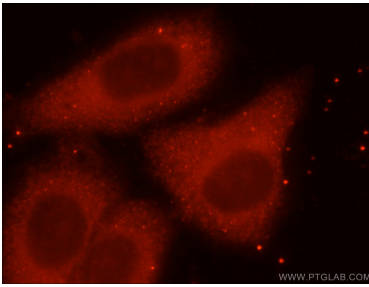
Jurkat cells were subjected to SDS PAGE followed by western blot with 16188-1-AP (ING4-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.