

ING4 Polyclonal Antibody

Catalog No :	YT5037
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	ING4
Gene Name :	ING4
Protein Name :	Inhibitor of growth protein 4
Human Gene Id :	51147
Human Swiss Prot No :	Q9UNL4
Mouse Gene Id :	28019
Mouse Swiss Prot No :	Q8C0D7
Immunogen :	The antiserum was produced against synthesized peptide derived from human ING4. AA range:107-156
Specificity :	ING4 Polyclonal Antibody detects endogenous levels of ING4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 28kD

Background : This gene encodes a tumor suppressor protein that contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in the TP53-dependent regulatory pathway. Multiple alternatively spliced transcript variants have been observed that encode distinct proteins. [provided by RefSeq, Jul 2008],

Function : function: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. Through chromatin acetylation it may function in DNA replication. May inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. Can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA. 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).,similarity:Belongs to the ING family.,similarity:Contains 1 PHD-type zinc finger.,subunit:Component of the HBO1 complex composed at least of ING4 or ING5, MYTS2/HBO1, E

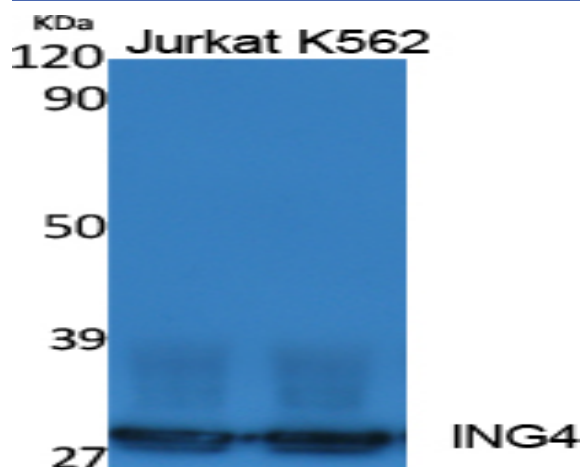
Subcellular Location : Nucleus .

Expression : B-cell,Epithelium,Fetal brain,Lung,Pituitary,Placenta,

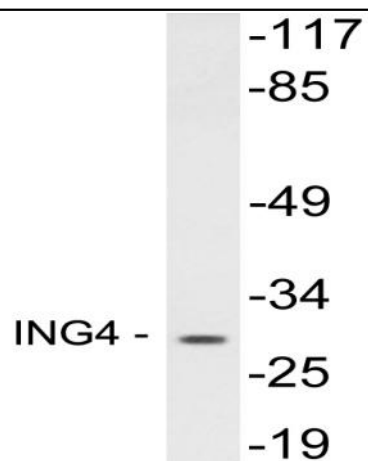
Sort : 8561

No4 : 1

Products Images



Western Blot analysis of extracts from Jurkat, K562 cells, using ING4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from 293 cells, using ING4 antibody.