

**Product Name: ING4 Rabbit Polyclonal Antibody****Catalog #: APRab12606**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	28kDa

**Antigen Information**

<b>Gene Name</b>	ING4
<b>Alternative Names</b>	ING4; My036; Inhibitor of growth protein 4; p29ING4
<b>Gene ID</b>	51147.0
<b>SwissProt ID</b>	Q9UNL4
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ING4. AA range:107-156

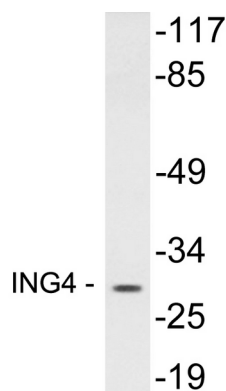
**Background**

This gene encodes a tumor suppressor protein that contains a PHD-finger, which is a common motif in proteins involved in

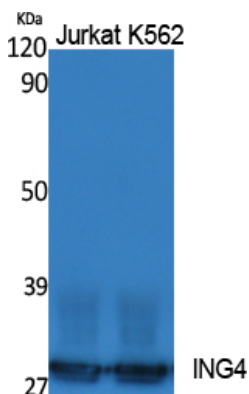
chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in the TP53-dependent regulatory pathway. Multiple alternatively spliced transcript variants have been observed that encode distinct proteins. [provided by RefSeq, Jul 2008],function: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, EAF6, and one of PHF15, PHF16 and PHF17. Interacts with EP300, RELA and TP53; these interactions may be indirect. Interacts with EGLN1,.

## Research Area

## Image Data



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



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