

ING4 Mouse mAb[7VE0]

Cat NO. :A20317

Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB,IHC,ICC/IF	H,R	Q9UNL4	29kDa	Mouse	IgG	50ul 100ul,200ul

Applications detail:

Application	Dilution
WB	1:1000-2000
IHC	1:100
ICC/IF	1:100
The optimal dilutions should be determined by the end user	

Conjugate:

UnConjugate

Form:

Liquid

sensitivity:

Endogenous

Purification:

Protein A purification

Specificity:

Antibody is produced by immunizing animals with a synthetic peptide of human ING4.

Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

Tissue specificity:

Subcellular location:

Nucleus.

Function:

Component of HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), and have reduced activity toward histone H4 (PubMed:16387653). Through chromatin acetylation it may function in DNA replication (PubMed:16387653). May inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation (PubMed:15251430, PubMed:15528276). Can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA (PubMed:15029197). May also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC (PubMed:15029197). Represses hypoxia inducible factor's (HIF) activity by interacting with HIF

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

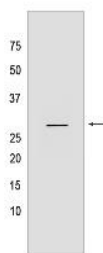
Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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prolyl hydroxylase 2 (EGLN1) (PubMed:15897452). Can enhance apoptosis induced by serum starvation in mammary epithelial cell line HC11 (By similarity)..

Validation Data:

ING4 Mouse mAb[7VE0] Images



Western blot (SDS PAGE) analysis of extracts from HEK-293 cells. Using ING4 Mouse mAb IgG [7VE0] at dilution of 1:1000 incubated at 4°C over night.

View more information on <http://naturebios.com>

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.