

ING2 Monoclonal antibody

Catalog Number: 66512-1-Ig

Basic Information

Catalog Number: 66512-1-Ig	GenBank Accession Number: BC030128	Purification Method: Protein A purification
Size: 1900 µg/ml	GeneID (NCBI): 3622	CloneNo.: 2C3A7
Source: Mouse	UNIPROT ID: Q9H160	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Full Name: inhibitor of growth family, member 2	
Immunogen Catalog Number: AG19291	Calculated MW: 280 aa, 33 kDa	
	Observed MW: 33-35 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : HSCT6 cells, T-47D cells, NIH/3T3 cells
Species Specificity: Human, rat, mouse	

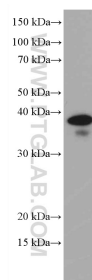
Background Information

ING2, also named as ING1L, belongs to the ING family and contains a PHD-type zinc finger. As a candidate tumor suppressor, ING2 seems to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, probably by enhancing acetylation of p53/TP53. It is a component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. Recent finding reported that ING2 regulates muscle differentiation by regulating chromatin remodeling program.

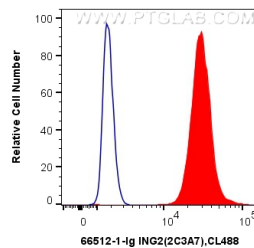
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 66512-1-Ig (ING2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human ING2 (66512-1-Ig, Clone:2C3A7) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).