

For Research Use Only

# ING1 Polyclonal antibody

Catalog Number: 17921-1-AP



## Basic Information

<b>Catalog Number:</b> 17921-1-AP	<b>GenBank Accession Number:</b> BC093942	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 350 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3621	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> inhibitor of growth family, member 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 279aa,32 kDa; 422aa,47 kDa	
<b>Immunogen Catalog Number:</b> AG12338	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : mouse liver tissue, A375 cells
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

ING1, also inhibitor of growth protein 1, is a 422 amino acid protein, which contains 1 PHD-type zinc finger and belongs to the ING family. ING1 localizes in the nucleus and interacts with TP53. It exists as various isoforms and isoform 1 is a 47 kDa protein. Isoform 2 is a 33 kDa protein and expressed in all normal tissues, as well as in all breast cancer and melanoma cell lines examined. ING1 cooperates with p53/TP53 in the negative regulatory pathway of cell growth by modulating p53-dependent transcriptional activation. It is implicated as a tumor suppressor gene.

## 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

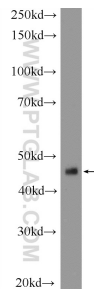
For technical support and original validation data for this product please contact:

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## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 17921-1-AP (ING1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.