



# ING1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06713
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	ING1
<b>Protein Name</b>	Inhibitor of growth protein 1
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	ING1 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	46kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Isoform 2 was expressed in all normal tissues and cells examined, as well as in all breast cancer and melanoma cell lines examined. Isoform 3 was expressed in testis, liver, and kidney, weakly expressed in colon and brain and not expressed in breast and cultured melanocytes. Isoform 4 was highly expressed in testis and weakly expressed in brain, but not expressed in breast, colon, kidney, melanocytes, breast cancer or melanoma cell lines.
<b>Function</b>	disease:Defects in ING1 are a cause of squamous cell carcinoma of the head and neck (HNSCC) [MIM:275355].,function:Cooperates with p53/TP53 in the negative regulatory pathway of cell growth by modulating p53-dependent transcriptional activation. Implicated as a tumor suppressor gene.,similarity:Belongs to the ING family.,similarity:Contains 1 PHD-type zinc finger.,subunit:Interacts with TP53.,tissue specificity:Isoform 2 was expressed in all normal tissues and cells examined, as well as in all breast cancer and melanoma cell lines examined. Isoform 3 was expressed in testis, liver, and kidney, weakly expressed in colon and brain and not expressed in breast and cultured melanocytes. Isoform 4 was highly expressed in testis and weakly expressed in brain, but not expressed in breast, colon, kidney, melanocytes, breast cancer or melanoma cell lines.,

**Background**

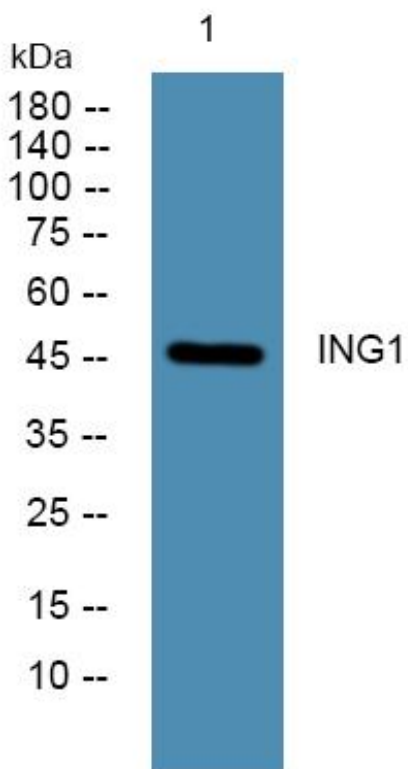
This gene encodes a tumor suppressor protein that can induce cell growth arrest and apoptosis. The encoded protein is a nuclear protein that physically interacts with the tumor suppressor protein TP53 and is a component of the p53 signaling pathway. Reduced expression and rearrangement of this gene have been detected in various cancers. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various cells using ING1 Monoclonal Antibody