

# ING1 polyclonal antibody

Catalog # PAB10082      Size 100 ug

## Applications



### Western Blot (Recombinant protein)

Western blot analysis is shown using ING1 polyclonal antibody (Cat # PAB10082) to detect with purified recombinant GST tagged human ING1b (Lane 1) and ING1c protein (Lane 2). No reactivity is seen against GST or other ING proteins (not shown). Reactivity of this polyclonal antibody is similar to the specificity of a positive control monoclonal antibody (not shown). The blot was incubated with a 1 : 1,000 dilution of the antibody at room temperature followed by detection using standard techniques.

Personal communication Xiaolan Feng, U. Calgary.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of ING1.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 285-296 of human ING1.
<b>Host</b>	Goat
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:4000-1:14000) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ING1

Entrez GeneID [3621](#)

Protein Accession# [Q9UK53:NP\\_005528.](#)

Gene Name ING1

Gene Alias p24ING1c, p33, p33ING1, p33ING1b, p47, p47ING1a

Gene Description inhibitor of growth family, member 1

Omim ID [275355 601566](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** OTTHUMP00000018703|OTTHUMP00000018704|OTTHUMP00000018705|OTTHUMP00000018706|growth inhibitor ING1|growth inhibitory protein ING1|inhibitor of growth 1|tumor suppressor ING1

## Publication Reference

- [Biological functions of the ING family tumor suppressors.](#)

Campos EI, Chin MY, Kuo WH, Li G.

Cellular and Molecular Life Sciences 2004 Oct; 61(19-20):2597.

Application: WB-Tr, Human, NMuMG, RKO cells

- [p33\(ING1\) enhances UVB-induced apoptosis in melanoma cells.](#)

Cheung KJ Jr, Li G.

Experimental Cell Research 2002 Oct; 279(2):291.

Application: WB-Tr, Human, MMRU cells

- [Human ING1 proteins differentially regulate histone acetylation.](#)

Vieyra D, Loewith R, Scott M, Bonnefin P, Boisvert FM, Cheema P, Pastryeva S, Meijer M, Johnston RN, Bazett-Jones DP, McMahon S, Cole MD, Young D, Riabowol K.

The Journal of Biological Chemistry 2002 Aug; 277(33):29832.

Application: IP, WB-Tr, Human, SNB19, Hs68 cells

## Disease

- [Alzheimer disease](#)
- [Colorectal Neoplasms](#)