

## Datasheet

### ING1 polyclonal antibody

**Catalog Number:** PAB10082

**Regulation Status:** For research use only (RUO)

**Product Description:** Goat polyclonal antibody raised against synthetic peptide of ING1.

**Immunogen:** A synthetic peptide corresponding to amino acids 285-296 of human ING1.

**Host:** Goat

**Reactivity:** Human, Mouse

**Applications:** ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Recommend Usage:** ELISA (1:4000-1:14000)

Western Blot (1:500-1:3000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 20 mM KH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3621

**Gene Symbol:** ING1

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

**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]

#### References:

1. Biological functions of the ING family tumor suppressors. Campos EI, Chin MY, Kuo WH, Li G. Cell Mol Life Sci. 2004 Oct;61(19-20):2597-613.
2. p33(ING1) enhances UVB-induced apoptosis in melanoma cells. Cheung KJ Jr, Li G. Exp Cell Res. 2002 Oct 1;279(2):291-8.
3. 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. J Biol Chem. 2002 Aug 16;277(33):29832-9. Epub 2002 May 15.