

**ING1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14335a****Specification**

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**ING1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9UK53](#)

**ING1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 3621

**Other Names**

Inhibitor of growth protein 1, ING1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ING1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** ING1

**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.

**Cellular Location**

Nucleus.

**Tissue Location**

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

**ING1 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **ING1 Antibody (N-term) Blocking Peptide - Images**

### **ING1 Antibody (N-term) Blocking Peptide - 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.

### **ING1 Antibody (N-term) Blocking Peptide - References**

Zhu, Z., et al. Hepatology 49(2):504-512(2009) Sayan, B., et al. Hybridoma (Larchmt) (2009) In press : Tallen, G., et al. Oncol. Res. 18 (2-3), 95-105 (2009) : Halaschek-Wiener, J., et al. PLoS ONE 4 (8), E6641 (2009) : Han, X., et al. Nat. Cell Biol. 10(11):1333-1340(2008)