

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

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)