

**ING5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9485c****Specification**

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**ING5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8WYH8](#)**ING5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84289**Other Names**

Inhibitor of growth protein 5, p28ING5, ING5

**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.

**ING5 Antibody (Center) Blocking Peptide - Protein Information****Name** ING5**Function**

Component of the HBO1 complex, which specifically mediates acetylation of histone H3 at 'Lys-14' (H3K14ac) and, to a lower extent, acetylation of histone H4 (PubMed:<a href="http://www.uniprot.org/citations/24065767" target="\_blank">24065767</a>). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed:<a href="http://www.uniprot.org/citations/16387653" target="\_blank">16387653</a>). Through chromatin acetylation it may regulate DNA replication and may function as a transcriptional coactivator (PubMed:<a href="http://www.uniprot.org/citations/12750254" target="\_blank">12750254</a>, PubMed:<a href="http://www.uniprot.org/citations/16387653" target="\_blank">16387653</a>). Inhibits cell growth, induces a delay in S-phase progression and enhances Fas-induced apoptosis in an INCA1-dependent manner (PubMed:<a href="http://www.uniprot.org/citations/21750715" target="\_blank">21750715</a>).

**Cellular Location**

Nucleus. Chromosome. Note=Localizes to transcription start sites.

**Tissue Location**

Down-regulated in bone marrow cells in acute myeloid leukemia patients as compared with normal bone marrow cells

## **ING5 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ING5 Antibody (Center) Blocking Peptide - Images**

## **ING5 Antibody (Center) Blocking Peptide - Background**

ING5 is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in TP53-dependent regulatory pathway. [provided by RefSeq].

## **ING5 Antibody (Center) Blocking Peptide - References**

Ullah, M., et al. Mol. Cell. Biol. 28(22):6828-6843(2008) Champagne, K.S., et al. Proteins 72(4):1371-1376(2008) Olsen, J.V., et al. Cell 127(3):635-648(2006)