

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

ING5 Antibody (Center) Blocking Peptide - Product InformationPrimary 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:24065767). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed:16387653). Through chromatin acetylation it may regulate DNA replication and may function as a transcriptional coactivator (PubMed:12750254, PubMed:16387653). Inhibits cell growth, induces a delay in S-phase progression and enhances Fas-induced apoptosis in an INCA1-dependent manner (PubMed:21750715).

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)