

ZNF410 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19435b**Specification**

ZNF410 Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q86VK4](#)**ZNF410 Antibody(C-term) Blocking peptide - Additional Information**

Gene ID 57862

Other Names

Zinc finger protein 410, Another partner for ARF 1, Zinc finger protein APA-1, ZNF410, APA1

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.

ZNF410 Antibody(C-term) Blocking peptide - Protein Information**Name** ZNF410 {ECO:0000303|PubMed:33301730, ECO:0000312|HGNC:HGNC:20144}**Function**

Transcription factor that binds to the sequence motif 5'- CATCCCATAATA-3', and is specifically required to silence expression of fetal hemoglobin in adult erythroid cells (PubMed:33301730, PubMed:33859416). Prevents expression of fetal hemoglobin genes HBG1 and HBG2 through CHD4: acts as a direct transcriptional activator of CHD4, a central component of the NuRD complex that represses transcription of fetal hemoglobin genes HBG1 and HBG2 in erythroid cells (PubMed:33301730, PubMed:33859416). May also activate transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence (PubMed:12370286). May activate transcription of the gap junction gene GJC1, perhaps in response to increasing glucose (PubMed:30078215). However, recent studies suggest that ZNF410 is dedicated to regulate expression of a single gene: CHD4 (PubMed:33301730, PubMed:33859416).

Cellular Location

Nucleus. Chromosome. Note=Directly binds to the sequence motif 5'-CATCCCATAATA-3'.

Tissue Location

Widely expressed..

ZNF410 Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ZNF410 Antibody(C-term) Blocking peptide - Images**ZNF410 Antibody(C-term) Blocking peptide - Background**

Transcription factor that activates transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence.

ZNF410 Antibody(C-term) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Hubner, R.A., et al. Int. J. Cancer
123(3):586-593(2008)Benanti, J.A., et al. Mol. Cell. Biol. 22(21):7385-7397(2002)