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ZNF410 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19435b

Product Information

Application	WB, E
Primary Accession	Q86VK4
Other Accession	NP_067011.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40594
Calculated MW	52113
Antigen Region	448-477

Additional Information

Gene ID	57862
Other Names	Zinc finger protein 410, Another partner for ARF 1, Zinc finger protein APA-1, ZNF410, APA1
Target/Specificity	This ZNF410 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 448-477 amino acids from the C-terminal region of human ZNF410.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZNF410 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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..

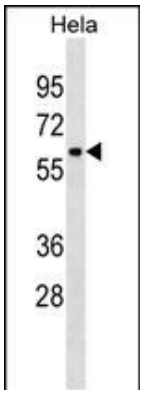
Background

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

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)

Images



ZNF410 Antibody (C-term)(Cat. #AP19435b) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the ZNF410 antibody detected the ZNF410 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.