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ZNF384 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11944b

Product Information

Application	WB, FC, E
Primary Accession	Q8TF68
Other Accession	NP_597733.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31689
Calculated MW	63219
Antigen Region	531-559

Additional Information

Gene ID	171017
Other Names	Zinc finger protein 384, CAG repeat protein 1, CAS-interacting zinc finger protein, Nuclear matrix transcription factor 4, Nuclear matrix protein 4, Trinucleotide repeat-containing gene 1 protein, ZNF384, CAGH1, CIZ, NMP4, TNRC1
Target/Specificity	This ZNF384 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 531-559 amino acids from the C-terminal region of human ZNF384.
Dilution	WB~~1:1000 FC~~1:10~50 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	ZNF384 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF384
Synonyms	CAGH1, CIZ, NMP4, TNRC1

Function	Transcription factor that binds the consensus DNA sequence [GC]AAAAA. Seems to bind and regulate the promoters of MMP1, MMP3, MMP7 and COL1A1 (By similarity).
Cellular Location	Nucleus.

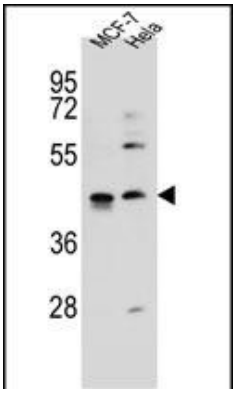
Background

This gene contains long CAG trinucleotide repeats coding consecutive glutamine residues. The gene product may functions as a transcription factor, with a potential role in the regulation of neurodevelopment or neuroplasticity. The protein appears to bind and regulate the promoters of MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Multiple transcript variants encoding several isoforms have been found for this gene.

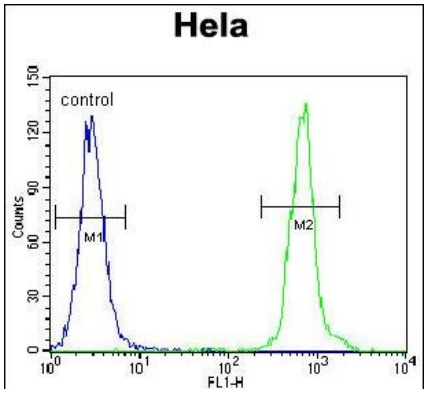
References

Alves, J., et al. Biochem. Biophys. Res. Commun. 384(4):495-500(2009)
Zhong, C.H., et al. Leukemia 22(4):723-729(2008)
Janssen, H., et al. Exp. Cell Res. 312(7):1194-1204(2006)
La Starza, R., et al. Leukemia 19(9):1696-1699(2005)
Martini, A., et al. Cancer Res. 62(19):5408-5412(2002)

Images



ZNF384 Antibody (C-term) (Cat. #AP11944b) western blot analysis in MCF-7,Hela cell line lysates (35ug/lane).This demonstrates the ZNF384 antibody detected the ZNF384 protein (arrow).



ZNF384 Antibody (C-term) (Cat. #AP11944b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.