

HBQ1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12996a

Product Information

Application	WB, IHC-P, E
Primary Accession	P09105
Other Accession	NP_005322.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32595
Calculated MW	15508
Antigen Region	1-28

Additional Information

Gene ID	3049
Other Names	Hemoglobin subunit theta-1, Hemoglobin theta-1 chain, Theta-1-globin, HBQ1
Target/Specificity	This HBQ1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-28 amino acids from the N-terminal region of human HBQ1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	HBQ1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HBQ1
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Background

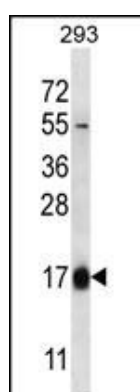
Theta-globin mRNA is found in human fetal erythroid tissue but not in adult erythroid or other nonerythroid

tissue. The theta-1 gene may be expressed very early in embryonic life, perhaps sometime before 5 weeks. Theta-1 is a member of the human alpha-globin gene cluster that involves five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-2 -pseudoalpha-1 - alpha-2 - alpha-1 - theta-1 - 3'. Research supports a transcriptionally active role for the gene and a functional role for the peptide in specific cells, possibly those of early erythroid tissue.

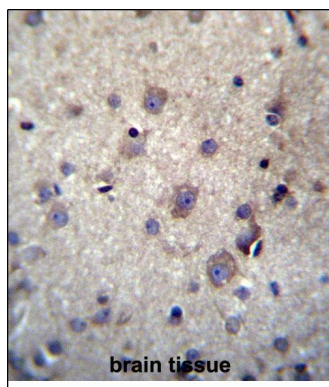
References

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Patrinos, G.P., et al. Hum. Mutat. 26(5):399-412(2005)
Daniels, R.J., et al. Hum. Mol. Genet. 10(4):339-352(2001)
Giardina, B., et al. Crit. Rev. Biochem. Mol. Biol. 30(3):165-196(1995)
Kim, J.H., et al. Nucleic Acids Res. 17(14):5687-5700(1989)

Images



HBQ1 Antibody (N-term) (Cat. #AP12996a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the HBQ1 antibody detected the HBQ1 protein (arrow).



HBQ1 Antibody (N-term) (Cat. #AP12996a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HBQ1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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