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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
Predicted	Mouse, Rat, Rabbit
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

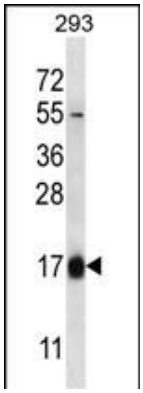
Background

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.

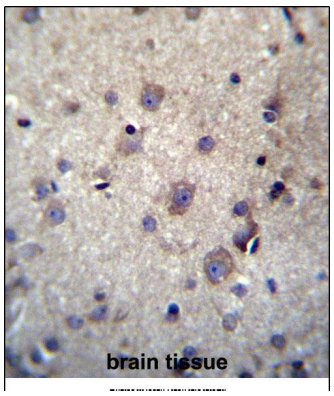
References

De Gobbi, M., et al. Science 312(5777):1215-1217(2006)
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'.