

Product datasheet for **AP52009PU-N**

HBQ1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Human Hemoglobin theta-1
Specificity:	This antibody recognizes Human Hemoglobin theta-1 chain (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hemoglobin subunit theta 1
Database Link:	Entrez Gene 3049 Human P09105



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Background:

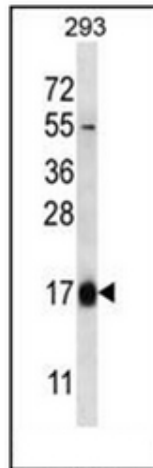
Theta-globin mRNA is found in human fetal erythroid tissue but not in adult erythroid or other nonerythroid tissue. The theta-1 gene may be expressed very early in embryonic life, perhaps sometime before 5 weeks. Theta-1 is a member of the human alpha-globin gene cluster that involves five functional 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.

Synonyms:

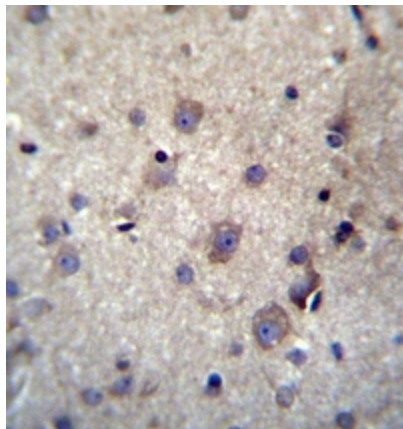
Theta-1-globin, HBQ1

Note:

Molecular Weight: 15508 Da

Product images:

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



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with HBQ1 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.