



Anti-HBQ1 (aa 1-78) polyclonal antibody (DPAB-DC1542)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HBQ1 (NP_005322, 1 a.a. ~ 78 a.a) partial recombinant protein with GST tag. The sequence is MALSAEDRALVRALWKKLGSNVGVYTTEALERTFLAFPATKTYFSHLDLSPGSSQVRAHG QKVADALSLAVERLDDLP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HBQ1 hemoglobin, theta 1 [Homo sapiens (human)]
Official Symbol	HBQ1
Synonyms	HBQ1; hemoglobin, theta 1; HBQ; hemoglobin subunit theta-1; theta-1-globin; hemoglobin theta-1 chain;
Entrez Gene ID	3049
Protein Refseq	NP_005322
UniProt ID	P09105
Chromosome Location	16p13.3
Function	heme binding; iron ion binding; oxygen binding; oxygen transporter activity