



# 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

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

## GENE INFORMATION

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