

For Research Use Only

# HBQ1 Recombinant antibody

Catalog Number: 83576-4-RR



## Basic Information

<b>Catalog Number:</b> 83576-4-RR	<b>GenBank Accession Number:</b> BC056686	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 3049	<b>CloneNo.:</b> 240527D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P09105	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> hemoglobin, theta 1	
<b>Immunogen Catalog Number:</b> AG10105	<b>Calculated MW:</b> 142 aa, 16 kDa	
	<b>Observed MW:</b> 10-16 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells,
<b>Species Specificity:</b> human	

## Background Information

HBQ1 (Hemoglobin subunit theta-1) is a member of the human alpha-globin gene cluster. HBQ1 mRNA is found in human fetal erythroid tissue but not in adult erythroid or other nonerythroid tissue (PMID: 3657976). HBQ1 gene was transcribed in an erythroleukemia cell line. HBQ1 has transcriptionally active and may be expressed in early erythroid tissue (PMID: 3422341).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

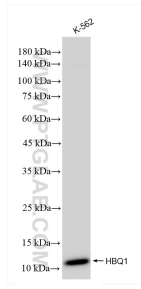
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

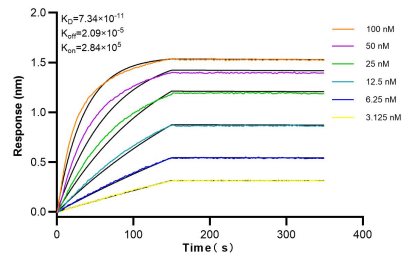
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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 83576-4-RR (HBQ1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83576-4-RR against Human HBQ1 were performed. The affinity constant is 73.4 pM.