

# HBQ1 Polyclonal antibody

Catalog Number: 16706-1-AP

## Basic Information

<b>Catalog Number:</b> 16706-1-AP	<b>GenBank Accession Number:</b> BC056686	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 800 ug/ml	<b>GeneID (NCBI):</b> 3049	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P09105	
<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, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> K-562 cells, <b>IHC :</b> human placenta tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

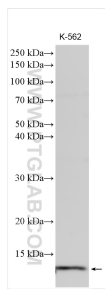
## Background Information

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).

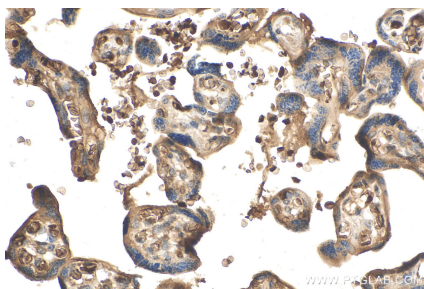
## Storage

**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

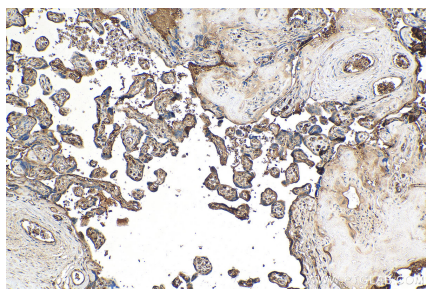
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16706-1-AP (HBQ1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16706-1-AP (HBQ1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16706-1-AP (HBQ1 antibody) at dilution of 1:200 (under 40x lens).