

Datasheet for ABIN2775308  
**anti-HBZ antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	HBZ
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Horse, Goat, Pig, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBZ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HBZ
Sequence:	ERLFLSHPQT KTYFPHFDLH PGSAQLRAHG SKVVAAVGDA VKSIDDIGGA
Predicted Reactivity:	Cow: 93%, Goat: 93%, Horse: 86%, Human: 100%, Mouse: 85%, Pig: 93%, Rabbit: 92%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against HBZ. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	HBZ
Alternative Name:	HBZ ( <a href="#">HBZ Products</a> )

## Target Details

Background:	<p>Zeta-globin is an alpha-like hemoglobin. The zeta-globin polypeptide is synthesized in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal and adult life. The zeta-globin gene is a member of the human alpha-globin gene cluster that includes five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta1 - 3'. Zeta-globin (HBZ) is an alpha-like hemoglobin. The zeta-globin polypeptide is synthesized in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal and adult life. The zeta-globin gene is a member of the human alpha-globin gene cluster that involves 4 functional genes and 3 nonfunctional pseudogenes. The order of genes is: 5'-zeta -- pseudozeta -- pseudoalpha2 -- pseudoalpha1 -- alpha2 -- alpha1 -- theta1-3'.</p> <p>Protein Interaction Partner: NOTCH2NL, KRTAP10-3, KRTAP10-9, KRTAP10-7, KHDRBS2, KRT40, DOCK8, HBD, UPF2, HNRNPD, VCAM1, ITGA4, FN1, APP, SP1, JUND, IKBKG, HBZ, HBB, FGFR3,</p> <p>Protein Size: 142</p>
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Molecular Weight:	16 kDa
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Gene ID:	3050
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NCBI Accession:	<a href="#">NM_005332</a> , <a href="#">NP_005323</a>
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UniProt:	<a href="#">P02008</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 142 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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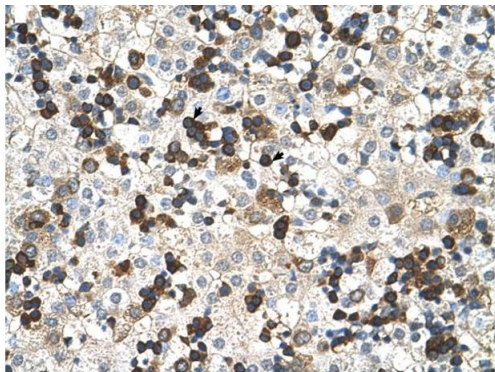
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

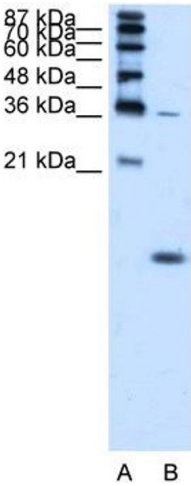
Images



Rabbit Anti-HBZ Antibody  
Catalog Number: ARP42231  
Lot Number: QC12783  
Paraffin Embedded Tissue: Human Liver  
Cells with Positive label: Hemopoietic cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

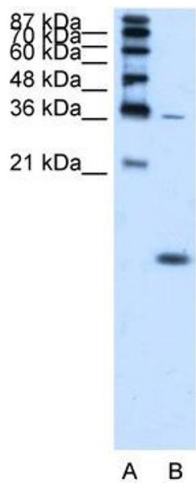
**Immunohistochemistry**

**Image 1.** Rabbit Anti-HBZ Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hemopoietic Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



**Western Blotting**

**Image 2.** WB Suggested Anti-HBZ Antibody Titration: 1.25ug/ml Positive Control: K562 cell lysate HBZ is supported by BioGPS gene expression data to be expressed in K562



Western Blotting

**Image 3.** WB Suggested Anti-HBZ

Antibody Titration: 1.25 µg/mL

Positive Control: K562 cell lysate

HBZ is supported by BioGPS gene expression data to be expressed in K562