

HBZ Rabbit pAb

Catalog # AP97860

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P02008
Other Accession	P02008
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15637
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Hemoglobin zeta
Epitope Specificity	41-140/142
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the globin family
SUBUNIT	Heterotetramer of two zeta chains and two epsilon chains in early embryonic hemoglobin Gower-1; two zeta chains and two gamma chains in hemoglobin Portland-1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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'. [provided by RefSeq, Nov 2009].

Additional Information

Gene ID	3050
Other Names	HBAZ; HBZ-T1; HBZ1; HBAZ_HUMAN; HBZ; Hemoglobin zeta chain; Zeta-globin; HBZ2; hemoglobin subunit zeta; hemoglobin, zeta
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HBZ
Synonyms	HBZ2
Function	The zeta chain is an alpha-type chain of mammalian embryonic hemoglobin.
Tissue Location	Detected in fetal erythrocytes (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.