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HBZ Rabbit pAb

Catalog # AP97860

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P02008
Other Accession	P02008
Predicted	Rat, Pig, Chimpanzee, Human, Dog
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'.