

For Research Use Only

HBZ Recombinant monoclonal antibody, PBS Only

Catalog Number: 86879-3-PBS



Basic Information

Catalog Number: 86879-3-PBS	GenBank Accession Number: BC027892	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3050	CloneNo.: 251873A7
Source: Rabbit	UNIPROT ID: P02008	
Isotype: IgG	Full Name: hemoglobin, zeta	
Immunogen Catalog Number: AG11061	Calculated MW: 142 aa, 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

HBZ, also named as Zeta-globin and HBAZ, belongs to the globin family. HBZ is an alpha-type chain of mammalian embryonic hemoglobin, synthesized primarily in the yolk sac. HBZ was first identified as an antisense viral protein that associated with cAMP-response element binding protein-2 (CREB-2) in HTLV-1-infected cells. HBZ is the only viral gene that is expressed in all ATL cases (PMID: 22787458). ShRNA repression of HBZ expression in established HTLV-1-transformed cell lines and newly immortalized T-lymphocytes also significantly suppressed T-lymphocyte proliferation (PMID: 19650892, 16917009).

Storage

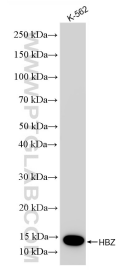
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

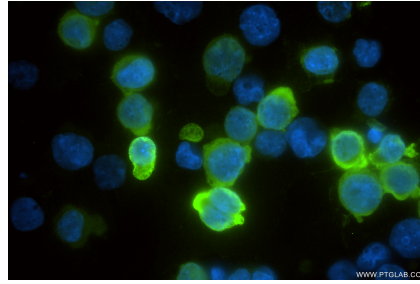
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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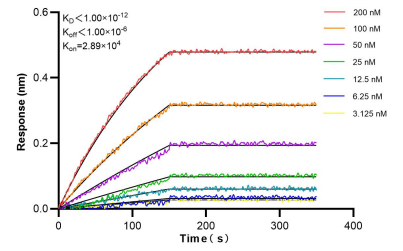
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86879-3-RR (HBZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86879-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using HBZ antibody (86879-3-RR, Clone: 251873A7) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86879-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86879-3-RR against Human HBZ were performed. The affinity constant is below 1 pM.