

For Research Use Only

HBZ Recombinant monoclonal antibody, PBS Only

Catalog Number: 86879-3-PBS



Basic Information

Catalog Number:

86879-3-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11061

GenBank Accession Number:

BC027892

GeneID (NCBI):

3050

UNIPROT ID:

P02008

Full Name:

hemoglobin, zeta

Calculated MW:

142 aa, 16 kDa

Observed MW:

16 kDa

Purification Method:

Protein A purification

CloneNo.:

251873A7

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

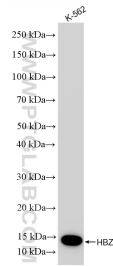
T: 4006900926

E: Proteintech-CN@ptglab.com

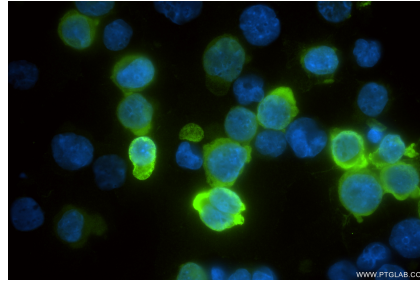
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

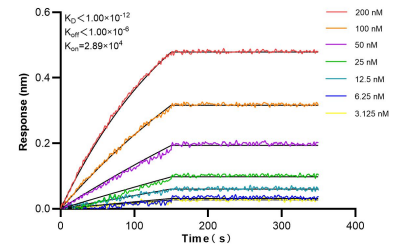
Selected Validation Data



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.



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