

For Research Use Only

HBZ Recombinant monoclonal antibody

Catalog Number: 86879-3-RR



Basic Information

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| Catalog Number: 86879-3-RR | GenBank Accession Number: BC027892 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 3050 | CloneNo.: 251873A7 |
| Isotype: IgG | UNIPROT ID: P02008 | Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800 |
| Immunogen Catalog Number: AG11061 | Full Name: hemoglobin, zeta | |
| | Calculated MW: 142 aa, 16 kDa | |
| | Observed MW: 16 kDa | |

Applications

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| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human | WB : K-562 cells, IF/ICC : K-562 cells, |

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

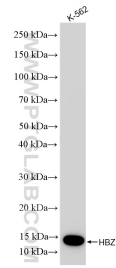
T: 4006900926

E: Proteintech-CN@ptglab.com

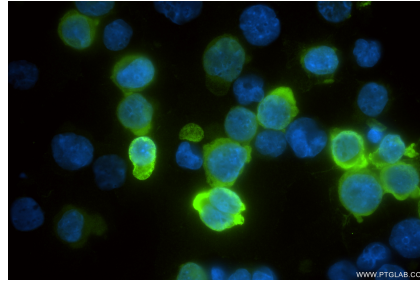
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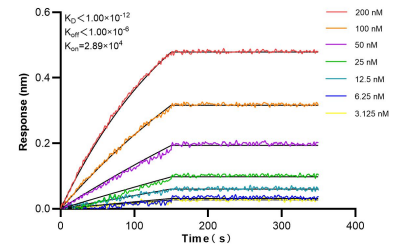
Selected Validation Data



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.



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).



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