

For Research Use Only

HBS1L Monoclonal antibody, PBS Only



Catalog Number: 68146-1-PBS

Basic Information

Catalog Number: 68146-1-PBS	GenBank Accession Number: BC001465	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 10767	CloneNo.: 1A10C4
Source: Mouse	UNIPROT ID: Q9Y450	
Isotype: IgG1	Full Name: HBS1-like (<i>S. cerevisiae</i>)	
Immunogen Catalog Number: AG0388	Calculated MW: 75 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

HBS1L (HBS1-like), also known as EF-1a or ERF5, is a 684 amino acid protein that belongs to the GTP-binding elongation factor family and exists as multiple alternatively spliced isoforms. Expressed in kidney, brain, heart, placenta, liver, muscle and pancreas, HSB1L is thought to play a role in controlling fetal hemoglobin levels, specifically influencing platelet, monocyte and erythrocyte hemoglobin content. The gene encoding HBS1L maps to a locus on human chromosome 6 that is associated with sickle cell anemia and beta-thalassemia, suggesting a role for HBS1L in the pathogenesis of blood disorders. This antibody specifically recognizes the 75kd human HBS1L protein.

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

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

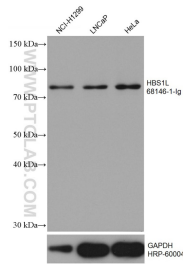
T: 4006900926

E: Proteintech-CN@ptglab.com

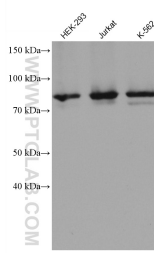
W: ptgcn.com

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

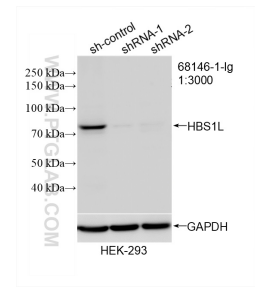
Selected Validation Data



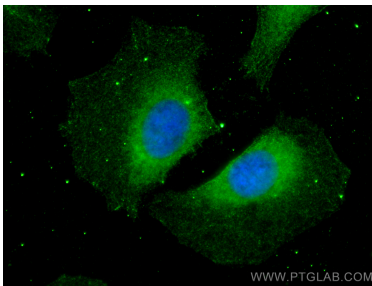
Various lysates were subjected to SDS PAGE followed by western blot with 68146-1-Ig (HBS1L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68146-1-PBS in a different storage buffer formulation.



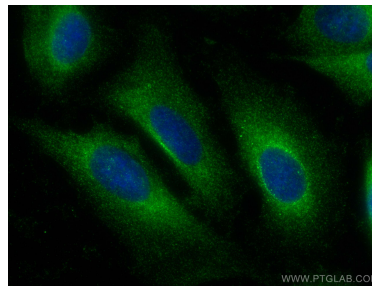
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WB result of HBS1L antibody (68146-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HBS1L transfected HEK-293 cells. This data was developed using the same antibody clone with 68146-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using HBS1L antibody (68146-1-Ig, Clone: 1A10C4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68146-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using HBS1L antibody (68146-1-Ig, Clone: 1A10C4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68146-1-PBS in a different storage buffer formulation.