

For Research Use Only

BST2 Recombinant antibody, PBS Only



Catalog Number: 82733-7-PBS

Basic Information

Catalog Number: 82733-7-PBS	GenBank Accession Number: BC033873	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 684	CloneNo.: 7124
Source: Rabbit	UNIPROT ID: Q10589	
Isotype: IgG	Full Name: bone marrow stromal cell antigen 2	
Immunogen Catalog Number: AG4430	Calculated MW: 180 aa, 20 kDa	
	Observed MW: 30-36 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

BST2, also named as CD317 and Tetherin, belongs to the tetherin family. It may be involved in the sorting of secreted proteins and it is involved in pre-B-cell growth. BST2 is an antiretroviral defense protein, that blocks release of retrovirus from the cell surface. Depleted upon HIV-1 infection by viral VPU protein through 20S proteasome degradation. Depleted upon infection by human Kaposi's sarcoma-associated herpesvirus (KSHV) through ubiquitination and subsequent degradation. BST2 may play a role in B-cell activation in rheumatoid arthritis. It is recently identified interferon-induced cellular proteins that restrict infections by retroviruses and filoviruses and of influenza virus and flaviviruses, respectively. BST2 is a plasma membrane proteins, tetherin inhibits virion particle release from infected cells. BST2 is effective against retroviruses and flavoviruses whilst IFITMs disrupt influenza and flavivirus infection. Observed MW of BST2 is 30-36 kDa (PMID: 19196977; 21237475).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

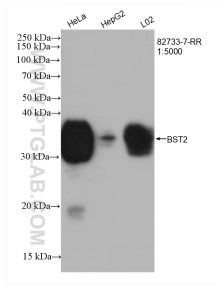
T: 4006900926

E: Proteintech-CN@ptglab.com

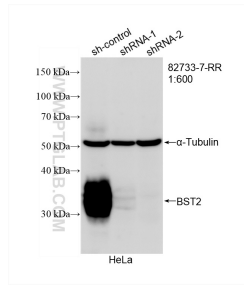
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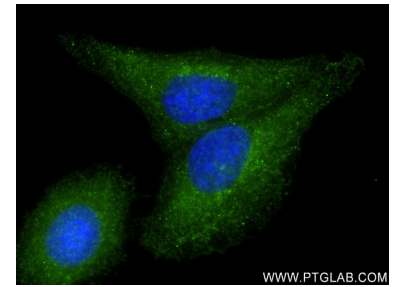
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82733-7-RR (BST2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82733-7-PBS in a different storage buffer formulation.



WB result of BST2 antibody (82733-7-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-BST2 transfected HeLa cells. This data was developed using the same antibody clone with 82733-7-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using BST2 antibody (82733-7-RR, Clone: 7124) at dilution of 1:125 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82733-7-PBS in a different storage buffer formulation.