

For Research Use Only

BST2 Polyclonal antibody

Catalog Number: 30118-1-AP



Basic Information

Catalog Number: 30118-1-AP	GenBank Accession Number: BC033873	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 684	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: Q10589	
Isotype: IgG	Full Name: bone marrow stromal cell antigen 2	
Immunogen Catalog Number: AG32333	Calculated MW: 180 aa, 20 kDa	
	Observed MW: 30-36 kDa, 50-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells,
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

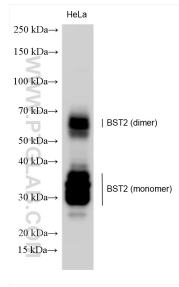
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 30118-1-AP (BST2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.