Recombinant BST2 / Tetherin / CD317 (Target for Tumor Immunotherapy) Antibody

Rabbit Monoclonal Antibody [Clone BST2/13681R]

Catalog No	Format	Size
684-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
684-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
684-RBM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

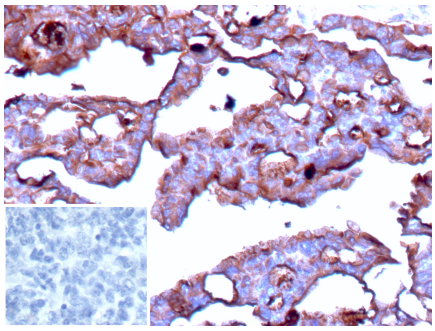
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

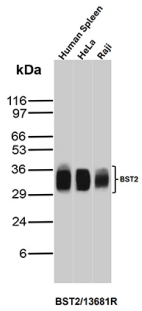
Clone	BST2/13681R
Immunogen	SB
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	19.77kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cytoplasm, Golgi apparatus, Late endosome, Membrane raft, trans-Golgi network
Species Reactivity	Human
Positive Control	Human adrenal gland or ovary. Spleen, HeLa, Raji, HEK293T or SiHa cells.

**Optimal dilution for a specific application should be determined.*

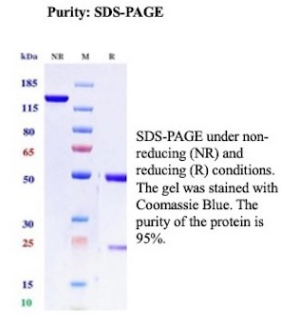
Product Images for Recombinant BST2 / Tetherin / CD317 (Target for Tumor Immunotherapy) Antibody



Formalin-fixed, paraffin-embedded human ovary stained with Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13681R). Inset: PBS instead of primary antibody; secondary only negative control.



Western blot analysis of Human Spleen, HeLa and Raji lysates using BST2 / Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13681R).



SDS-PAGE Analysis of Purified Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13681R). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Bone marrow stromal cells act as regulators for B-cell growth and development through their surface molecules and cytokines. Bone marrow stromal antigen-2 (BST-2), also designated CD317 antigen, is a single-pass type II membrane protein. BST-2, which is expressed mainly on synovial cell lines and bone marrow stromal cell lines, is primarily expressed in liver, heart, placenta and lung tissues. BST-2 is thought to be involved in pre-B cell growth. It has been implicated in B cell activation in rheumatoid arthritis. IFN-induced antiviral host restriction factor which efficiently blocks the release of diverse mammalian enveloped viruses by directly tethering nascent virions to the membranes of infected cells. Acts as a direct physical tether, holding virions to the cell membrane and linking virions to each other. The tethered virions can be internalized by endocytosis and subsequently degraded or they can remain on the cell surface. In either case, their spread as cell-free virions is restricted. Its target viruses belong to diverse families, including retroviridae: human immunodeficiency virus type 1 (HIV-1), mouse mammary tumor virus (MMTV) and murine leukemia virus (MLV), filoviridae: ebola virus (EBOV), arenaviridae: lassa virus (LASV), and rhabdoviridae: vesicular stomatitis virus (VSV). Can inhibit cell surface proteolytic activity of MMP14 causing decreased activation of MMP15 which results in inhibition of cell growth and migration. Can stimulate signaling by LILRA4/ILT7 and consequently provide negative feedback to the production of IFN by plasmacytoid dendritic cells in response to viral infection. Plays a role in the organization of the subapical actin cytoskeleton in polarized epithelial cells.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.