

Product datasheet for **TA337141**

BST2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, Simple Western, WB
Recommended Dilution:	Immunohistochemistry, Western Blot: 2 - 4 ug/mL, Immunohistochemistry-Paraffin: 5 ug/mL, Immunofluorescence, Simple Western: 1:200, Flow Cytometry, Flow (Cell Surface), Immunohistochemistry-Frozen
Reactivity:	Human, Mouse, Rat, Primate
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A portion of amino acids 80-130 of human BST2 was used as the immunogen for this antibody.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	bone marrow stromal cell antigen 2
Database Link:	NP_004326 Entrez Gene 69550 Mouse Entrez Gene 378947 Rat Entrez Gene 684 Human Q10589
Background:	BST2, also known as CD317, HM1.24 antigen, DAMP-2 and recently designated tetherin, is an integral membrane protein with a novel topology. The specific function of the BST2, encoded by the bone marrow stromal cell antigen 2 gene, is undetermined; however, it may play a role in pre-B-cell growth, rheumatoid arthritis, and in antiretroviral defense, that blocks release of retrovirus from the cell surface. BST2 is highly expressed during B-cell development, from pro-B precursors to plasma cells, T-cells, monocytes, Nk cells and DCs (at protein level).
Synonyms:	CD317; TETHERIN



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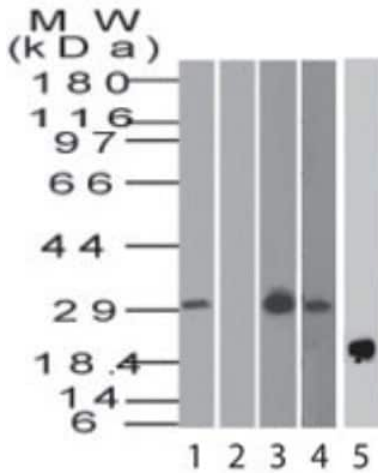
Note: BST2 is a 180 amino acid protein with an observed molecular weight of approximately 30 kDa in western blotting (see Ishikawa et al, 1995 PMID 7607676). FLOW application of this product is reported by Crother et al 2011 PMID 21695198.

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

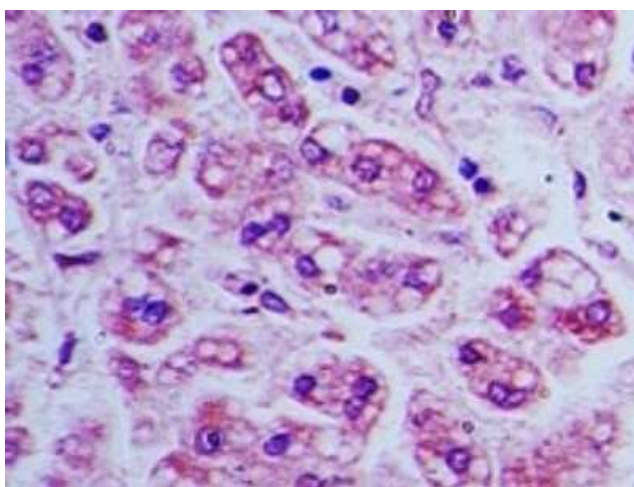
Product images:



Simple Western: BST2 Antibody TA337141 - Simple Western lane view shows a specific band for BST2 in 0.5 mg/ml of Jurkat lysate. This experiment was performed under standard reducing conditions using the 12-230 kDa separation system.



Western Blot: BST2 Antibody TA337141 - Analysis using BST2 antibody. Human heart in the 1) absence and 2) presence of immunizing peptide, 3) human Jurkat, 4) mouse RAW lysate and 5) recombinant human BST2 protein probed with BST2 antibody at 4 ug/mL. Goat anti-rabbit IgG HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: BST2 Antibody TA337141 - Analysis of BST2 in human liver tissue using BST2 antibody at 5 ug/mL.