

Product Datasheet

BST2 Antibody - BSA Free NBP2-27154

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-27154

BST2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

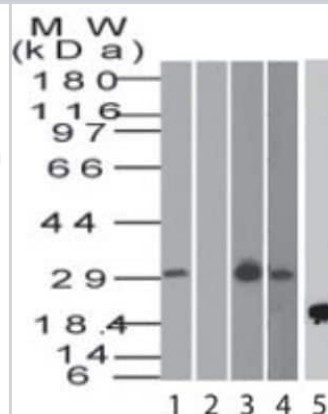
Product Description	
Description	Novus Biologicals Rabbit BST2 Antibody - BSA Free (NBP2-27154) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and Simple Western. Anti-BST2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	684
Gene Symbol	BST2
Species	Human, Mouse, Rat, Primate
Immunogen	A portion of amino acids 80-130 of human BST2 was used as the immunogen for this antibody.

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 2 - 4 ug/mL, Simple Western 1:200, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/mL, Immunohistochemistry-Frozen reported by customer review, Flow (Cell Surface) reported in scientific literature (PMID 21695198)
Application Notes	BST2 is a 180 amino acid protein with an observed molecular weight of approximately 30 kDa in Western blot (see Ishikawa et al, 1995 PMID 7607676). In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Jurkat lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:200, apparent MW was 21 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

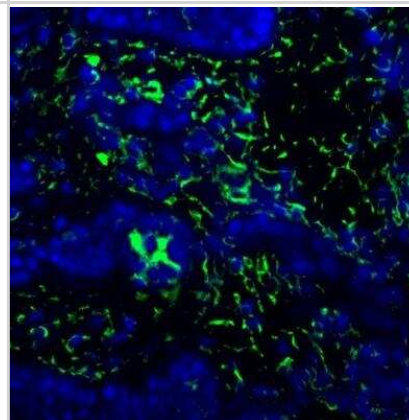


Images

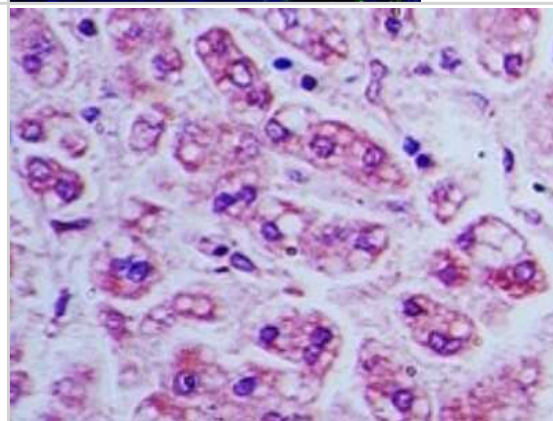
Western Blot: BST2 Antibody [NBP2-27154] - Analysis using BST2 antibody. Human heart in the 1) absence and 2) presence of immunizing peptide, 3) human Jurkat, 4) mouse RAW lysate and 5) recombinant human BST2 protein probed with BST2 antibody at 4 ug/mL. Goat anti-rabbit IgG HRP secondary antibody and PicoText ECL substrate solution were used for this test.



Immunohistochemistry-Frozen: BST2 Antibody [NBP2-27154] - BST-2 (green) was detected in human skin (nevus) using Ang-2 antibody (1:50; 1 hour) and secondary anti-rabbit-FITC (1:500; 30 min) in PBS. Nuclei were stained with DAPI (blue). Tissue was fixed in acetone. Image from a verified customer review.



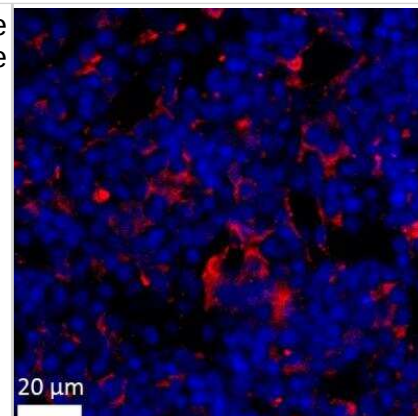
Immunohistochemistry-Paraffin: BST2 Antibody [NBP2-27154] - Analysis of BST2 in human liver tissue using BST2 antibody at 5 ug/mL.



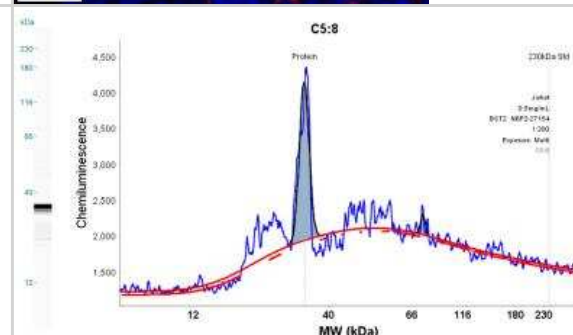
Simple Western: BST2 Antibody [NBP2-27154] - Simple Western lane view shows a specific band for BST2 in 0.5 mg/ml of Jurkat lysate. This experiment was performed under standard reducing conditions using the 12-230 kDa separation system.



Immunofluorescence: BST2 Antibody [NBP2-27154] - Mouse femur bone marrow section stained with BST2 antibody (red) and DAPI (blue). Image from a verified customer review.



Simple Western: BST2 Antibody [NBP2-27154] - Lane view shows a specific band for BST2 using 0.5 mg/mL Jurkat cell lysate and antibody at 1:200. Electropherogram image of corresponding Simple Western lane view. Image reported by internal validation.



Publications

BHATNAGAR A, CHOPRA U, Raja S et al. TLR-mediated aggresome-like induced structures comprise antimicrobial peptides and attenuate intracellular bacterial survival Research Square 2022-12-16 (ICC/IF, Mouse)

Kitamura H, Tanigawa T, Kuzumoto T et al. Interferon-alpha exerts proinflammatory properties in experimental radiation-induced esophagitis: Possible involvement of plasmacytoid dendritic cells Life sciences 2022-01-15 [PMID: 34890590] (IHC-P, Mouse)

Shrivastava S, Devhare P, Sujjantararat N et al. Knockdown of autophagy inhibits infectious hepatitis C virus release by exosomal pathway. J. Virol. 2015-11-18 [PMID: 26581990] (WB, Human)

James S Fox J Afsari F et al. Multiparameter Analysis of Human Bone Marrow Stromal Cells Identifies Distinct Immunomodulatory and Differentiation-Competent Subtypes Stem Cell Reports. 2015-06-09 [PMID: 26070611] (FLOW, Human)

Crother TR, Schröder NW, Karlin J et al. Chlamydia pneumoniae infection induced allergic airway sensitization is controlled by regulatory T-cells and plasmacytoid dendritic cells. PLoS One. 2011-01-01 [PMID: 21695198] (Flow-CS)

Details:

BST2 (IMG-6731A). Flow (cell surface): BST2 along with B220 was used as pDC markers for mouse bone marrow derived DCs (BMDC), Fig 7A Note: Loss of BST2 expression was used as an indication of pDC depletion, Fig 7A.



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Products Related to NBP2-27154

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-72363-50ug	Recombinant Human BST2 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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