

Product Datasheet

BST2 Antibody (4F6) - Azide and BSA Free NBP2-80604

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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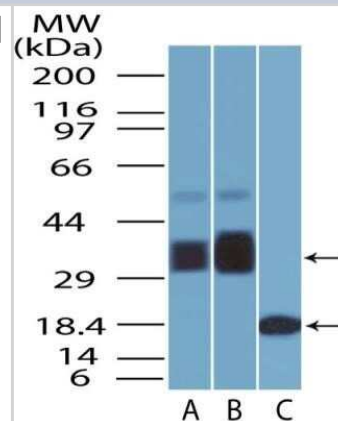
NBP2-80604

BST2 Antibody (4F6) - Azide and BSA Free

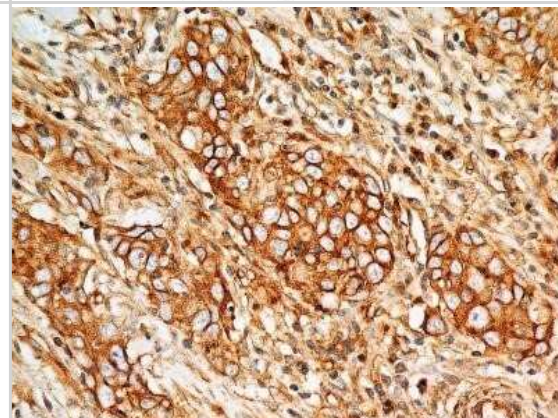
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F6
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	684
Gene Symbol	BST2
Species	Human
Immunogen	Full length recombinant human BST2 protein [NCBI NP_004326].
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1.0 ug/ml, Flow Cytometry 0.5 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml, Flow (Cell Surface), CyTOF-ready
Application Notes	The unprocessed form of BST2 protein is 180 amino acids long (161 amino acids in the cleaved BST) and its cleaved form undergoes further modifications namely disulfide bond formation, GPI-anchor/GPI-like-anchor binding, glycosylation, isopeptide bond formation, lipidation and Ubl conjugation. The predicted molecular weight of unmodified BST2 protein is ~17-18 kDa, whereas the post-translationally modified protein has been documented to run at ~25-36 kDa (glycosylated), 50-55 kDa (ubiquitinated) and 65-70 kDa (dimers). BST2 protein localizes mainly to the cell membranes from where it shuttles to the trans-Golgi network, late endosome and the cytoplasm. In immuno-staining assays, BST2 may develop a membrane-cytoplasmic staining pattern. This antibody is CyTOF ready.

Images

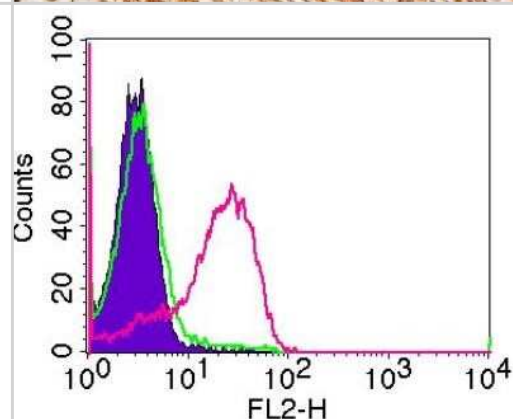
Western Blot: BST2 Antibody (4F6) - Azide and BSA Free [NBP2-80604] - WB analysis of BST2 protein in (A) human heart lysate (B) human ovary lysate and on (C) partial recombinant BST2 protein with monoclonal BST2 antibody (clone 4F6) at a concentration of 1 ug/mL. In the tested lysates, two bands were observed which represents the glycosylated (lower intense bands) and the ubiquitinated (higher weak bands) forms of BST2 protein. Image from the standard format of this antibody.



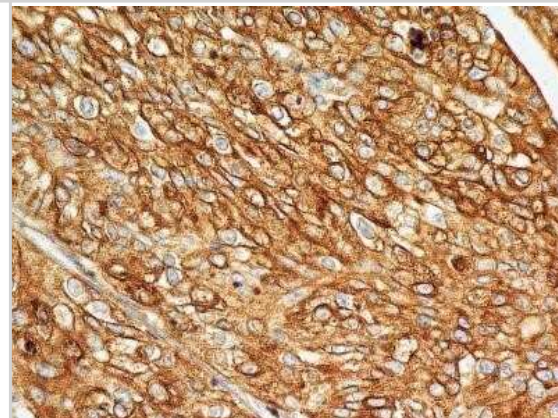
Immunohistochemistry: BST2 Antibody (4F6) - Azide and BSA Free [NBP2-80604] - Analysis of BST2 protein in a section of human lung cancer (squamous cell carcinoma) using 5 ug/mL concentration of BST2 antibody (clone 4F6). The carcinoma cells depicted strong membrane-cytoplasmic BST2 positivity with more intense staining in the cellu



Flow (Cell Surface): BST2 Antibody (4F6) - Azide and BSA Free [NBP2-80604] - Flow analysis of Molt4 cells using the BST2 antibody [4F6]. The shaded purple region represents cells alone, green represents the isotype control and pink represents the BST2 antibody. Image from the standard format of this antibody.



Immunohistochemistry: BST2 Antibody (4F6) - Azide and BSA Free [NBP2-80604] - Analysis of BST2 protein in a section of human endometrial carcinoma using 5 ug/mL concentration of BST2 antibody (clone 4F6). The carcinoma cells depicted distinct membrane-cytoplasmic BST2 positivity with more intense staining in the cellular membranes.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-80604

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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