

# Product Datasheet

## BST2 Antibody (2E2) - BSA Free NBP2-29621

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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**NBP2-29621**

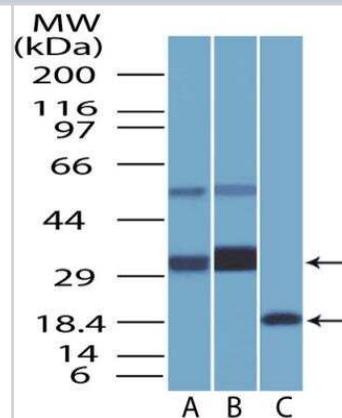
BST2 Antibody (2E2) - BSA Free

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	Monoclonal
Clone	2E2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse BST2 Antibody (2E2) - BSA Free (NBP2-29621) is a monoclonal antibody validated for use in IHC, WB and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/ml, Flow Cytometry 0.5 ug/ml, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, CyTOF-ready
Application Notes	The unprocessed form of BST2 protein is 180 amino acids long (161 amino acids in its 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 ~17-18kDa, whereas the post-translationally modified protein has been documented to run at ~25-36kDa (glycosylated), 50-55 kDa (ubiquitinated) and 65-70 kDa (dimers) in WB assay. BST2 protein localize 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.

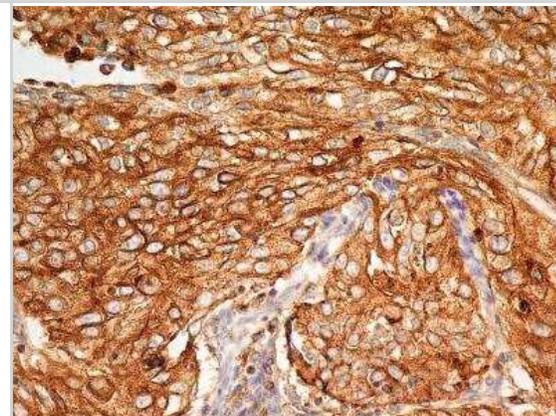


## Images

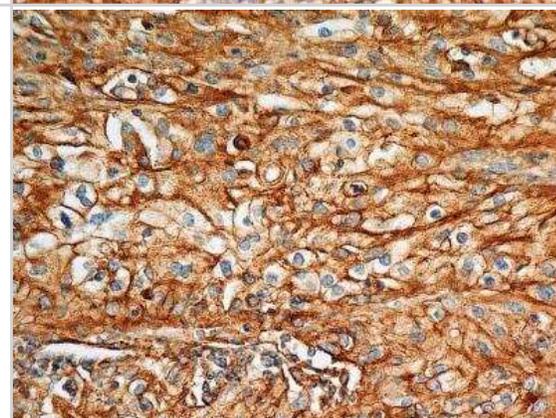
Western Blot: BST2 Antibody (2E2) [NBP2-29621] - Analysis of BST2 protein in (A) human heart lysate, (B) human ovary lysate and (C) partial recombinant BST2 protein with monoclonal BST2 antibody at a concentration of 1 ug/ml. In the tested human lysates, two distinct bands were observed which represents the glycosylated (lower bands) and the ubiquitinated (higher bands) forms of BST2 protein.



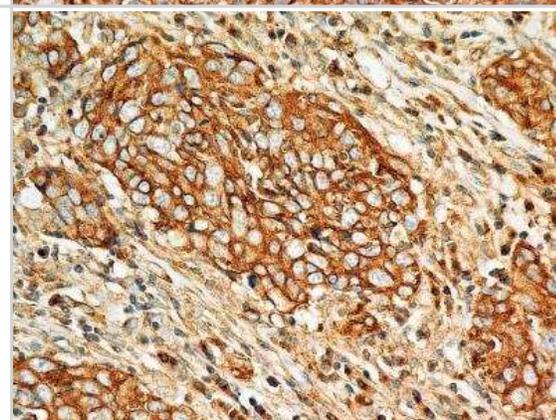
Immunohistochemistry-Paraffin: BST2 Antibody (2E2) [NBP2-29621] - Analysis of BST2 protein in a section of human endometrial carcinoma using 5 ug/ml concentration of BST2 antibody (clone 2E2). The carcinoma cells depicted distinct membrane-cytoplasmic BST2 positivity with more intense staining in the cellular membranes, whereas, weak staining was observed in tumor stroma.



Immunohistochemistry-Paraffin: BST2 Antibody (2E2) [NBP2-29621] - Analysis of BST2 protein in a section of human renal cell carcinoma (clear cell type) using 5 ug/ml concentration of BST2 antibody (clone 2E2). The carcinoma cells depicted distinct membrane-cytoplasmic BST2 positivity with more intense staining in cellular membranes.



Immunohistochemistry-Paraffin: BST2 Antibody (2E2) [NBP2-29621] - Analysis of BST2 protein in a section of human lung cancer (squamous cell carcinoma) using 5 ug/ml concentration of BST2 antibody (clone 2E2). The carcinoma cells depicted distinct membrane-cytoplasmic BST2 positivity with more intense staining in the cellular membranes, whereas, mild to moderate staining was observed in tumor stroma also.





### **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 NBP2-29621**

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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)
NBP2-29621AF405	BST2 Antibody (2E2) [Alexa Fluor® 405]

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### **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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