

Product Datasheet

BST2 Antibody - Azide and BSA Free H00000684-B02P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000684-B02P

BST2 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	IgG purified
Buffer	PBS (pH 7.4)

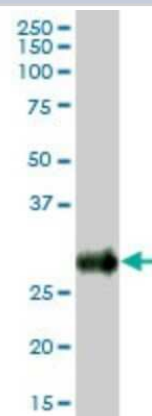
Product Description	
Description	Quality control test: Antibody reactive against mammalian transfected lysate.
Host	Mouse
Gene ID	684
Gene Symbol	BST2
Species	Human
Specificity/Sensitivity	BST2 - bone marrow stromal cell antigen 2,
Immunogen	BST2 (NP_004326.1, 1 a.a. - 180 a.a.) full-length human protein. MASTSYDYCRVPMEDGDKRCKLLLGIGILVLLIIVILGVPLIIFTIKANSEACRDGL RAVMECRNVTHLLQQELTEAQKGFQDVEAQAATCNHTVMALMASLDAEKAQG QKKVEELEGEITTLNHKLQDASAEVERLRRENQVLSVRIADKKYYPSSQDSSSA AAPQLLIVLLGLSALLQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Proximity Ligation Assay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Application Notes	Antibody reactivity against tissue lysate and transfected lysate in WB. May also be used for IF, IHC-P and ELISA. Knock Out Validation was reported in scientific literature (PMID: 27657169).

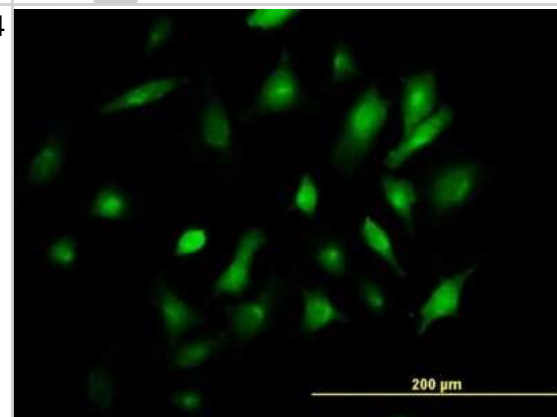


Images

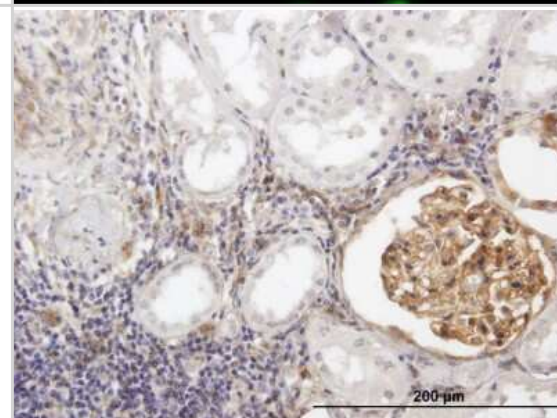
Western Blot: BST2 Antibody [H00000684-B02P] - Analysis of BST2 expression in human spleen.



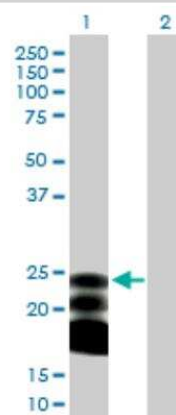
Immunocytochemistry/Immunofluorescence: BST2 Antibody [H00000684-B02P] - Analysis of purified antibody to BST2 on HeLa cell. (antibody concentration 10 ug/ml)



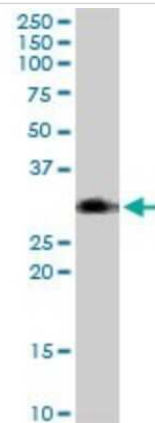
Immunohistochemistry-Paraffin: BST2 Antibody [H00000684-B02P] - Analysis of purified antibody to BST2 on formalin-fixed paraffin-embedded human kidney. (antibody concentration 3 ug/ml)



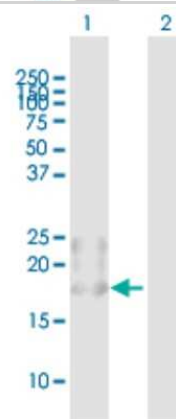
Western Blot: BST2 Antibody [H00000684-B02P] - analysis of BST2 expression in transfected 293T cell line by BST2 MaxPab polyclonal antibody. Lane 1: BST2 transfected lysate (19.8 KDa). Lane 2: Non-transfected lysate.



Western Blot: BST2 Antibody [H00000684-B02P] - Analysis of BST2 expression in Jurkat.



Western Blot: BST2 Antibody [H00000684-B02P] - Analysis of BST2 expression in transfected 293T cell line by BST2 polyclonal antibody. Lane 1: BST2 transfected lysate (19.8 KDa). Lane 2: Non-transfected lysate.



Publications

Zhang Y, Ozono S, Yao W et al. CRISPR-mediated activation of endogenous BST-2/tetherin expression inhibits wild-type HIV-1 production. *Sci Rep.* 2019-02-28 [PMID: 30816279]

Nehls J, Businger R, Hoffmann M et al. Release of Immunomodulatory Ebola Virus Glycoprotein-Containing Microvesicles Is Suppressed by Tetherin in a Species-Specific Manner. *Cell Rep.* 2019-02-12 [PMID: 30759394]

Potes Y, de Luxan-Delgado B, Rodriguez-Gonzalez S et al. Overweight in elderly people induces impaired autophagy in skeletal muscle. *Free Radic Biol Med* 2017-05-23 [PMID: 28549989]

Mack K, Starz K, Sauter D et al. Efficient Vpu-mediated tetherin antagonism by an HIV-1 group O strain. *J Virol* 2017-01-11 [PMID: 28077643]

Brinkmann C, Nehlmeier I, Walendy-Gnirs K et al. Tetherin antagonism by the Ebola virus glycoprotein requires an intact receptor-binding domain and can be blocked by GP1-specific antibodies. *J Virol* 2016-11-28 [PMID: 27707924]

Edgar JR, Manna PT, Nishimura S et al. Tetherin is an exosomal tether. *Elife* 2016-09-22 [PMID: 27657169]

Krapp C, Hotter D, Gawanbacht A et al. Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. *Cell Host Microbe.* 2016-03-15 [PMID: 26996307] (WB, Human)

Iwabu Y, Fujita H, Kinomoto M et al. HIV-1 Accessory Protein Vpu Internalizes Cell-surface BST-2/Tetherin through Transmembrane Interactions Leading to Lysosomes. *J Biol Chem.* 2009-10-16 [PMID: 19837671]

Lopez LA, Yang SJ, Hauser H et al. Ebola glycoprotein counteracts BST-2/tetherin restriction in a sequence independent manner that does not require tetherin surface removal. *J Virol.* 2010-05-05 [PMID: 20444895]

Hauser H, Lopez LA, Yang SJ et al. HIV-1 Vpu and HIV-2 Env counteract BST-2/tetherin by sequestration in a perinuclear compartment. *Retrovirology.* 2010-06-07 [PMID: 20529266]

Yang SJ, Lopez LA, Exline CM et al. Lack of adaptation to human tetherin in HIV-1 Group O and P. *Retrovirology.* 2011-09-28 [PMID: 21955466]

Karetnikov A, Suomalainen M. Tethered virions are intermediates in the assembly and release of HIV-1 particles. *Virology*;407(2):289-95. 2010-11-25 [PMID: 20850859]

More publications at <http://www.novusbio.com/H00000684-B02P>





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Products Related to H0000684-B02P

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse 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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