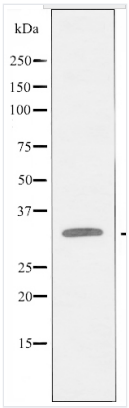
BST1 Antibody

PRODUCT OVERVIEW

Product Name	BST1, Antibody
Full Product Name	BST1 Antibody
Product Gene Name	anti-BST1 antibody
Product Synonym Names	ADP-ribosyl cyclase 2; bone marrow stromal antigen 1; BST-1; cADPr hydrolase 2; CD157 antigen; cyclic ADP-ribose hydrolase 2; EC 3.2.2.5
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	BST1 Antibody detects endogenous levels of total BST1
Preparation and Storage	Store at-20 degree C. Stable for 12 months from date of receipt.
Molecular Weight	34 KD
OMIM	600387
3D Structure	ModBase 3D Structure for Q10588
Immunogen	A synthesized peptide
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BST1 antibody	Western Blot (WB)
Application Notes for anti-BST1 antibody	WB: 1:500-1:1000
Related Product Information for anti-BST1 antibody	MBS8514473 is an antibody targeting BST1. Also known as BST1 Antibody. Reactive in Human, Mouse, Rat.
Other Notes	Small volumes of anti-BST1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-BST1 antibody
Western blot analysis of extracts from Jurkat cells and COS cells, using BST1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BST1. It may not necessarily be applicable to this product.

NCBI GI #	168229159
NCBI GeneID	683
NCBI Accession #	NP_004325.2
UniProt Primary Accession #	Q10588
UniProt Secondary Accession #	Q1XII0; Q5U0K0; Q96EN3; B2R6A2
UniProt Related Accession #	Q10588
GenBank Nucleotide #	NM_004334.2
NCBI Official Full Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
NCBI Official Synonym Full Names	bone marrow stromal cell antigen 1
NCBI Official Symbol	BST1
NCBI Official Synonym Symbols	CD157
UniProt Protein Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
UniProt Synonym Protein Names	ADP-ribosyl cyclase 2; Bone marrow stromal antigen 1; BST-1; Cyclic ADP-ribose hydrolase 2; cADPr hydrolase 2; CD_antigen: CD157
Protein Family	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase
UniProt Gene Name	BST1
UniProt Synonym Gene Names	BST-1; cADPr hydrolase 2
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
NCBI Summary for BST1	Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33% similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population. [provided by RefSeq, Jul 2008]
UniProt Comments for BST1	Synthesizes the second messagers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger that elicits calcium release from intracellular stores. May be involved in pre-B-cell growth.
Research Articles on BST1	**1.** the rs4698412 variant of BST-1 may increase the Parkinson disease susceptibility. [META-ANALYSIS]
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