

Datasheet for ABIN499505
anti-BST2 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	BST2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BST2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Bst2 antibody was raised against a 18 amino acid peptide near the amino terminus of the mouse Bst2.
Isotype:	IgG
Specificity:	This antibody reacts to Bst2.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	BST2
Alternative Name:	CD317 / BST2 (BST2 Products)
Background:	Bst2 was first identified as a novel terminal B-cell-restricted antigen termed HM1.24 that is

Target Details

expressed on certain bone marrow cells as well as other tissues. The surface expression of Bst2 on fibroblast cell lines facilitated the stromal cell-dependent growth of DW34, a pre-B-cell line, suggesting that this protein is involved in pre-B-cell growth. Later experiments also showed it to be upregulated in several myeloma cells. More recently, Bst2 was identified an inhibitor of retroviral release from human cells whose activity is antagonized by the HIV-1 accessory protein Vpu. While Bst2 caused retention of virions on cell surfaces or endocytosis into Bst2-positive compartments, its depletion abolished the viral requirement for Vpu for virus release. This activity may represent a potential therapeutic strategy for the treatment of HIV/AIDS. Synonyms: BST-2, Bone marrow stromal antigen 2, HM1.24 antigen, Tetherin

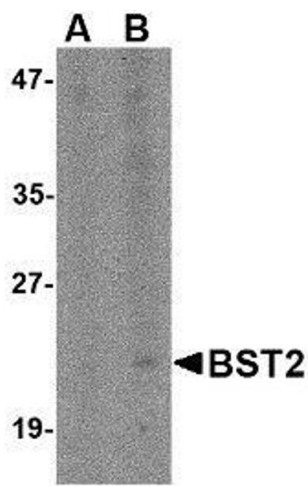
Gene ID:	69550
UniProt:	Q8R2Q8
Pathways:	Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	ELISA. Western Blot: Bst2 antibody can be used for detection of Bst2 at 1 - 2 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of Bst2 in Daudi cell lysate with AP30169PU-N Bst2 antibody at (A) 1 and (B) 2 µg/ml.