Datasheet for ABIN7601849

anti-BST2 antibody (AA 49-161)

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Overview

Quantity:	100 µg
Target:	BST2
Binding Specificity:	AA 49-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BST2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BST2/Tetherin Antibody Picoband®
Immunogen:	E.coli-derived human BST2/Tetherin recombinant protein (Position: N49-S161).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BST2/Tetherin Antibody Picoband® (ABIN7601849). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	BST2
Alternative Name:	BST2 (BST2 Products)
Background:	Synonyms: Tafazzin, Protein G4.5, TAZ, EFE2, G4.5 Tissue Specificity: High levels in cardiac and skeletal muscle. Up to 10 isoforms can be present in different amounts in different tissues. Most isoforms are ubiquitous. Isoforms that lack the N-terminus are found in leukocytes and fibroblasts, but not in heart and skeletal muscle. Some forms appear restricted to cardiac and skeletal muscle or to leukocytes. Background: Tetherin, also known as bone marrow stromal antigen 2, is a lipid raft associated protein that in humans is encoded by the BST2 gene. Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined, however, this protein may play a role in pre-B-cell growth and in rheumatoid arthritis.
Molecular Weight:	25-45 kDa
Gene ID:	684
UniProt:	Q10589
Pathways:	Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Cocka, L. J., Bates, P. Identification of alternatively translated tetherin isoforms with differing antiviral and signaling activities. PLoS Pathog. 8: e1002931, 2012. Note: Electronic Article. 2. Ishikawa, J., Kaisho, T., Tomizawa, H., Lee, B. O., Kobune, Y., Inazawa, J., Oritani, K., Itoh, M., Ochi, T., Ishihara, K., Hirano, T. Molecular cloning and chromosomal mapping of a bone marrow stromal cell surface gene, BST2, that may be involved in pre-B-cell growth. Genomics 26: 527-534, 1995. 3. Kuhl, A., Munch, J., Sauter, D., Bertram, S., Glowacka, I., Steffen, I., Sprecht, A., Hofmann, H., Schneider, H., Behrens, G., Pohlmann, S. Calcium-modulating cyclophilin ligand does not restrict retrovirus release. (Letter) Nature Med. 16: 155-157, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.