

Product Name: KD-Validated Bone Marrow Stromal Cell Antigen 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01292

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 19.8kDa

Antigen Information

Gene Name	BST2
Alternative Names	BST2; Bone Marrow Stromal Cell Antigen 2; Tetherin; BST-2; HM1.24; CD317; Bone Marrow Stromal Antigen; Antiviral Factor Tetherin; HM1.24 Antigen; CD317 Antigen; NPC-A-7
Gene ID	684.0
SwissProt ID	Q10589
Immunogen	A synthesized peptide derived from human BST2

Background

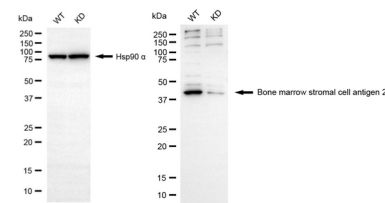
Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined; however, this protein may play a role in pre-B-cell growth and in

rheumatoid arthritis. [provided by RefSeq, Jul 2008]

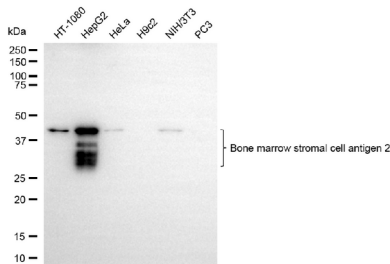
Research Area

Cardiovascular, Immunology, Signal Transduction, Tags & Cell Markers, Epigenetics and Nuclear Signaling, Stem Cells, Neuroscience

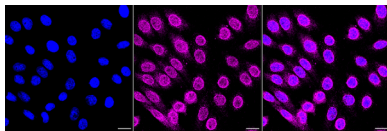
Image Data



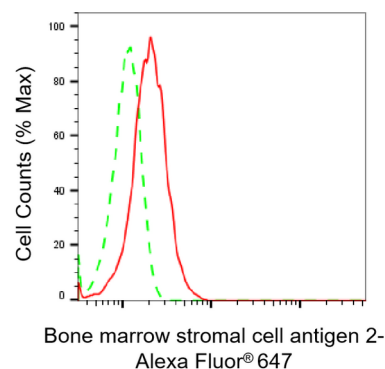
Western blotting analysis using bone marrow stromal cell antigen 2 antibody (KVA01292). Bone marrow stromal cell antigen 2 expression in wild-type (WT) and bone marrow stromal cell antigen 2 (BST2) knockdown (KD) 293T cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with bone marrow stromal cell antigen 2 antibody (KVA01292, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using bone marrow stromal cell antigen 2 antibody (KVA01292). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with bone marrow stromal cell antigen 2 antibody (KVA01292, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Bone marrow stromal cell antigen 2 antibody (KVA01292, 1:1,000). Nuclei were stained blue with DAPI; Bone marrow stromal cell antigen 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Bone marrow stromal cell antigen 2 expression in HepG2 cells using Bone marrow stromal cell antigen 2 antibody (KVA01292, 1:2,000). Green, isotype control; red, Bone marrow stromal cell antigen 2.