

Anti-BST2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 18 kDa. Actual: 30 kDa.
Purification:	Protein A purified

Applications

1. Lane 1: (mouse/tissue) Lung lysates probed with BST2 Polyclonal Antibody, Unconjugated (Catalog #TMAB-03236) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:10000 for 60 min at 37°C.
2. Lane 1: (Human/cell line)U937 lysates probed with BST2 Polyclonal Antibody, Unconjugated (Catalog #TMAB-03236) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:10000 for 60 min at 37°C.
3. Blank control: A431.

Primary Antibody (green line): Rabbit Anti-BST2 antibody (TMAB-03236)

Dilution: 2 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-PE

Dilution: 1 µg /test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Verified Activity:

Application: WB,FCM

Recommended WB: 1:500-2000; FCM: 2µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human BST2/CD317
Antigen Species: Human
Gene ID: 684
Uniprot ID: Q10589

Research Background

Bone marrow stromal cells act as regulators for B-cell growth and development through their surface molecules and cytokines. Bone marrow stromal antigen-2 (BST-2), also designated CD317 antigen, is a single-pass type II membrane protein. BST-2, which is expressed mainly on synovial cell lines and bone marrow stromal cell lines, is primarily expressed in liver, heart, placenta and lung tissues. BST-2 is thought to be involved in pre-B cell growth. It has been implicated in B cell activation in rheumatoid arthritis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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