

BST-1 Polyclonal Antibody

Catalog # AP68721

Specification

BST-1 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB <u>O10588</u> Human, Mouse, Rat, Monkey Rabbit Polyclonal

BST-1 Polyclonal Antibody - Additional Information

Gene ID 683

Other Names BST1; ADP-ribosyl cyclase 2; Bone marrow stromal antigen 1; BST-1; Cyclic ADP-ribose hydrolase 2; cADPr hydrolase 2; CD antigen CD157

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

BST-1 Polyclonal Antibody - Protein Information

Name BST1

Function

Catalyzes both the synthesis of cyclic ADP-beta-D-ribose (cADPR) from NAD(+), and its hydrolysis to ADP-D-ribose (ADPR) (PubMed:7805847). Cyclic ADPR is known to serve as an endogenous second messenger that elicits calcium release from intracellular stores, and thus regulates the mobilization of intracellular calcium (Probable). May be involved in pre-B-cell growth (Probable).

Cellular Location Cell membrane; Lipid-anchor, GPI-anchor

Tissue Location Expressed in various tissues including placenta, lung, liver and kidney.

BST-1 Polyclonal Antibody - Protocols



Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

BST-1 Polyclonal Antibody - Images



BST-1 Polyclonal Antibody - Background

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.