

**BST-1 Polyclonal Antibody**  
**Catalog # AP73659****Specification**

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**BST-1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q10588</a>
Reactivity	Human
Host	Rabbit
Clonality	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; CD157

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. 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:<a href="http://www.uniprot.org/citations/7805847" target="\_blank">7805847</a>). 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**

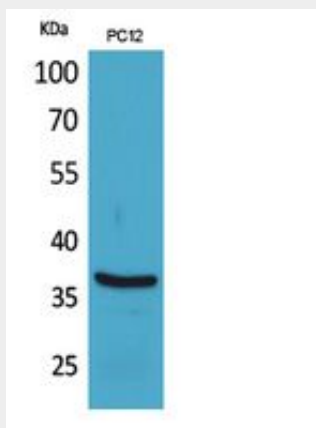
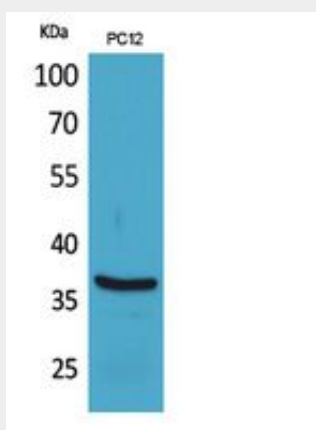
Expressed in various tissues including placenta, lung, liver and kidney.

**BST-1 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **BST-1 Polyclonal Antibody - Images**



#### **BST-1 Polyclonal Antibody - Background**

Synthesizes the second messengers 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.