

CD157 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51717**Specification**

CD157 Antibody - Product Information

Application	WB
Primary Accession	Q10588
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36 KDa
Antigen Region	61 - 120

CD157 Antibody - Additional Information**Gene ID** 683**Other Names**

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, ADP-ribosyl cyclase 2, Bone marrow stromal antigen 1, BST-1, Cyclic ADP-ribose hydrolase 2, cADPr hydrolase 2, CD157, BST1

Target/Specificity

KLH conjugated synthetic peptide derived from human CD157

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CD157 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

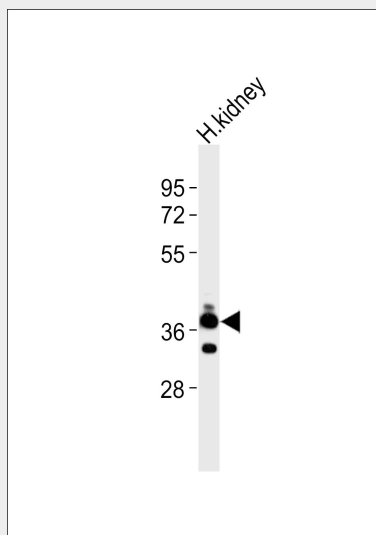
Tissue Location

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

CD157 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](#)

CD157 Antibody - Images

Anti-CD157 Antibody at 1:1000 dilution + human kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

CD157 Antibody - Background

Synthesizes cyclic ADP-ribose, a second messenger that elicits calcium release from intracellular stores. May be involved in pre-B-cell growth.

CD157 Antibody - References

Kaisho T.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:5325-5329(1994).
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
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