

CD317 polyclonal antibody

Catalog: NCP0356P

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

BST2 (CD317, Tetherin, HM1.24) is a type II transmembrane glycoprotein functioning as a major mediator of the innate immune defense against the dissemination of enveloped viruses by tethering virion on the cell surface. BST2 has an N-terminal cytoplasmic tail for endocytosis and cytoskeletal signaling, a transmembrane domain, an extracellular domain containing putative disulfide bonds and coiled coil region for forming homodimer, and a C-terminal GPI domain for membrane anchoring. Both the transmembrane domain and the GPI domain can insert either to the cell membrane or the viral envelope membrane and hold them together to prevent viral release. Some viruses encode proteins, such as HIV-1 and Vpu respectively, to act as antagonists to counteract BST2. BST2 is overexpressed in gastrointestinal cancers, breast cancer, lung cancer, and multiple myeloma. BST2 monoclonal antibody targeting myeloma or lung cancer cells induces cellular cytotoxicity and cell death (ADCC, antibody-dependent cell-mediated cytotoxicity). Thus, BST2 serves as a potential target for tumor immunotherapy.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 30/60 kDa

Swiss-Prot:

Q10589

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:5000~1:10000

IF: 1:100~1:500

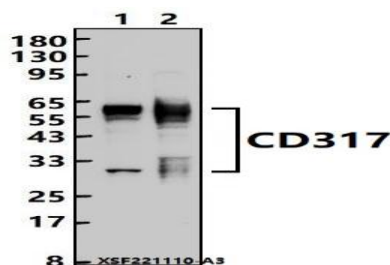
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CD317 polyclonal antibody detects endogenous levels of CD317 protein.

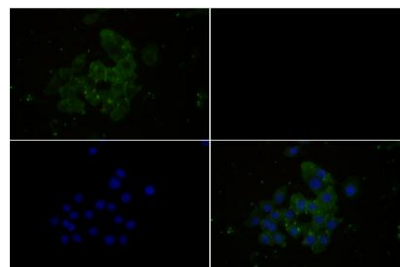
DATA:



Western blot (WB) analysis of CD317 polyclonal antibody at 1:5000 dilution

Lane1: The Kidney tissue lysate of Mouse (30ug)

Lane2: L02 cell membrane lysate (24ug)



Immunofluorescence analysis of SGC7901 cells using CD317 pAb at dilution of 1:200 (40x lens).

Note:

For research use only, not for use in diagnostic procedure.

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