Product datasheet

Anti-CD63 Antibody

Catalog Number: *PB9250*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-CD63 Antibody
Gene Name	CD63
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human CD63 recombinant protein (Position: E97-M238). Human CD63 shares 74% and 73% amino acid (aa) sequence identity with mouse and rat CD63, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	26/60 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

CD63 antigen is a protein that in humans is encoded by the CD63 gene. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. It is mapped to 12q13.2. CD63 is mainly associated with membranes of intracellular vesicles, although cell surface expression may be induced. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression.

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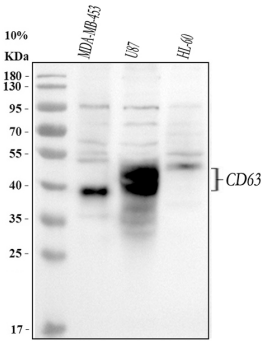
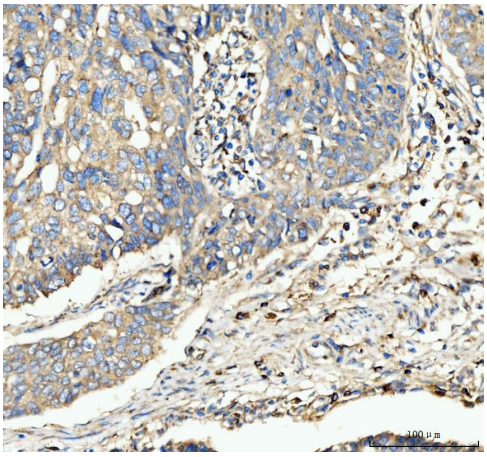
Reference

Anti-CD63 Antibody 被引用在9文献中。

Selected Validation Data



Western blot analysis of CD63 using anti-CD63 antibody (PB9250). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human MDA-MB-453 whole cell lysates,
Lane 2: human U87 whole cell lysates,
Lane 3: human HL-60 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD63 antigen affinity purified polyclonal antibody (PB9250) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD63 at approximately 30-60 kDa. The expected band size for CD63 is at 26 kDa.



IHC analysis of CD63 using anti-CD63 antibody (PB9250) .
CD63 was detected in a paraffin-embedded section of human bladder urothelial carcinoma tissue. The tissue section was incubated with rabbit anti-CD63 Antibody (PB9250) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.