

Catalogue No.AB0047-200
AB0047-500**Qty:**600 µg
1.5 mg**Anti-CD63****Source:** Goat

General description: CD63 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of the members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker.

Alternative names: CD63 antigen, CD63 antigen (melanoma 1 antigen), granulophysin, LAMP-3, lysosomal-associated membrane protein 3, lysosome-associated membrane glycoprotein 3, ME491, melanoma-associated antigen, melanoma 1 antigen, melanoma-associated antigen ME491, MLA1, ocular melanoma-associated antigen, OMA81H, tetraspanin-30, TSPAN30 antibody.

Form: Polyclonal antibody supplied as a 200 or 500 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 120 aa to 175 aa of human CD63 produced in *E. coli*.

Specificity: Reacts with CD63, a 40-60 kDa glycoprotein, detected by Western blot in the following human (HeLa, HUH, Jurkat), mouse (AtT-20, Hepa, 3T3, RAW264.7), canine (MDCK) and monkey (COS-7) whole cell lysates.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	+++	ND
Rat	+++	+++	+++	+++	ND
Mouse	+++	+++	+++	+++	ND
Canine	+++	+++	+++	+++	ND
Monkey	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:500-1:5,000

IF: 1:25-1:250

IHC (F): 1:250-1:1,000

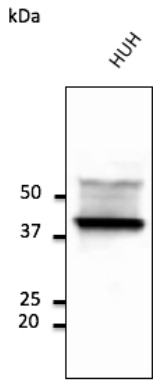
IHC (P): 1:250-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

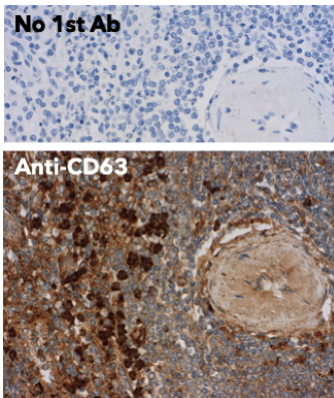
Special instructions: The antibody solution should be gently mixed before use..

References:

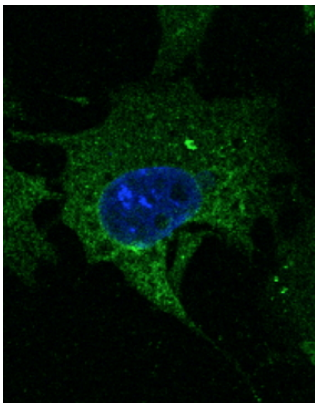
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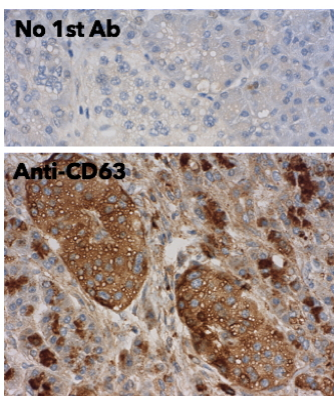
Anti-CD63 Ab at 1/2,500 dilution; lysate at 50 μ g per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



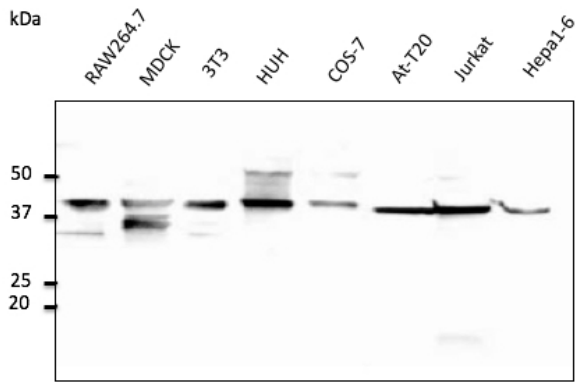
IHC of mouse spleen using anti-CD63 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD63 Ab at 1:500/DAB detection;



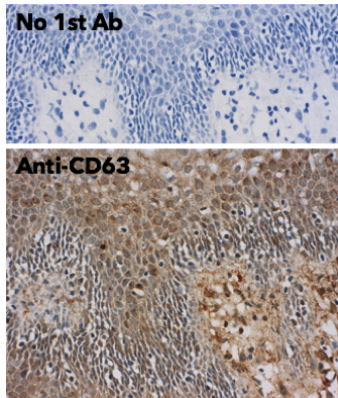
Immunofluorescence – anti-CD63 Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with 4% of PFA;



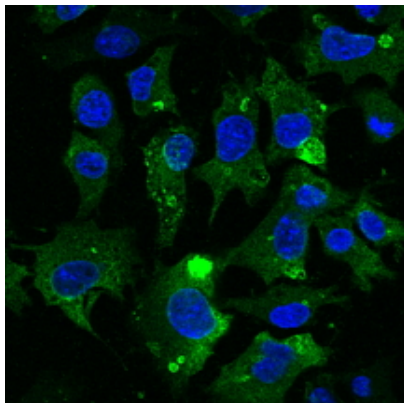
IHC of human pancreas using anti-CD63 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD63 Ab at 1:500/DAB detection;



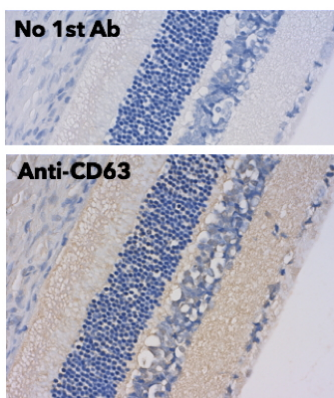
Anti-CD63 Ab at 1/2,500 dilution; lysate at 50 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



IHC of human cervix using anti-CD63 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD63 Ab at 1:500/DAB detection;



Immunofluorescence – anti-CD63 Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with 4% of PFA;



IHC of rat eye using anti-CD63 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CD63 Ab at 1:500/DAB detection;

For research use only, not for diagnostic use

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.