SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CD63 antibody

Catalog Number: SL1523R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CD63
Immunogen:	KLH conjugated synthetic peptide derived from human CD63: 101-200/238 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	26kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	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. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The 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. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012] **Function:** This antigen is associated with early stages of melanoma tumor progression. May play a role in growth regulation. **Subcellular Location:** Cell membrane; Multi-pass membrane protein.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Note=Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules. **Tissue Specificity:** Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages. **Similarity:** Belongs to the tetraspanin (TM4SF) family. **Database links:** **Entrez Gene:** 967 Human Omim: 155740 Human **SwissProt:** P08962 Human **Unigene:** 445570 Human CD63A lysosomal membrane glycoprotein and also a cell surface glycoprotein, expressed on the surface and in the cytoplasm of various cells; upon platelet activation, it translocates to the membrane surface. CD63—Also known as melanoma-associated antigen MLA1, it forms a complex with integrin. It is a marker of blood platelet activation. It is also associated with the progression of some Tumour.

[VALIDATION IMAGES]

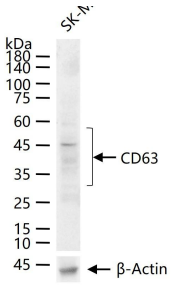


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with CD63 polyclonal antibody, unconjugated (SL1523R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

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