

CD63
Rabbit Monoclonal antibody(Mab)
Catalog # AD80065**Specification**

CD63 - Product info

Application	IHC-P
Primary Accession	P08962
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	25637

CD63 - Additional info

Gene ID	967
Gene Name	CD63

Other Names

CD63 antigen, Granulophysin, Lysosomal-associated membrane protein 3, LAMP-3, Lysosome integral membrane protein 1, Limp1, Melanoma-associated antigen ME491, OMA81H, Ocular melanoma-associated antigen, Tetraspanin-30, Tspan-30, CD63, CD63, MLA1, TSPAN30

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

CD63 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD63 - Protein Information**Name** CD63**Synonyms****Function****MLA1, TSPAN30**

Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role

Cellular Location

in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli.

Cell membrane; Multi- pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi- pass membrane protein. Endosome, multivesicular body. Melanosome. Secreted, exosome. Cell surface. Note=Also found in Weibel-Palade bodies of endothelial cells (PubMed:10793155). Located in platelet dense granules (PubMed:7682577). Detected in a subset of pre- melanosomes. Detected on intraluminal vesicles (ILVs) within multivesicular bodies (PubMed:21962903)

Tissue Location

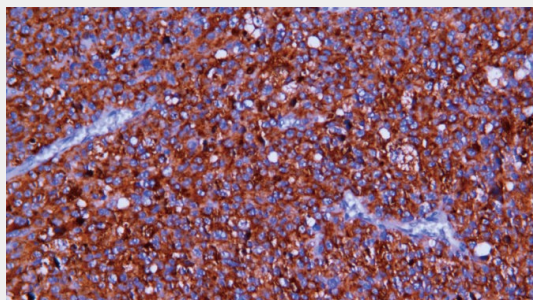
Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages

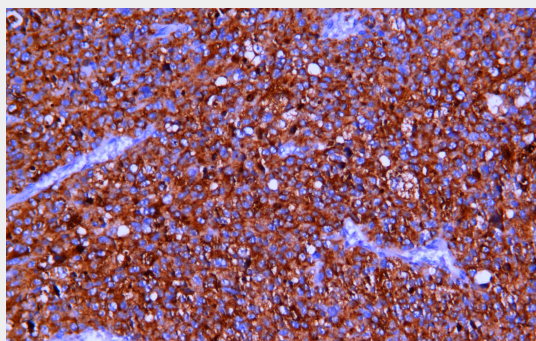
CD63 - Protocols

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](#)

CD63 - Images



Malignant melanoma

Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue using AD80065 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.