



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

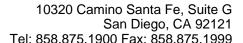
procedures.

CD63 - Protein Information

Name CD63

Synonyms MLA1, TSPAN30
Function Functions as ce

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

Tissue Location

ilissue 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/FceRI 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 intralumenal vesicles (ILVs)** within multivesicular bodies (PubMed:21962903) Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells,

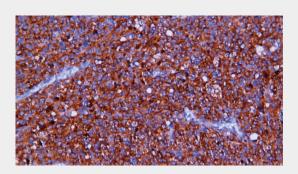
tissue macrophages

CD63 - Protocols

Provided below are standard protocols that you may find useful for product applications.

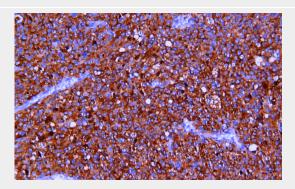
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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. AmpSeeTM Detection Systems Abcepta: AR005 was used as the secondary antibody.