

CD63 Antibody

Rabbit mAb Catalog # AP90297

Specification

CD63 Antibody - Product Information

Application WB, IHC
Primary Accession P08962
Clonality Monoclonal

Other Names

CD63 antigen; Tetraspanin-30; Tspan-30; Lysosomal-associated membrane protein 3; Lamp-3;

CD63; MLA1; TSPAN30

Isotype Rabbit IgG
Host Rabbit
Calculated MW 25637 Da

CD63 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

CD63

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

CD63 Antibody - Protein Information

Name CD63

Synonyms MLA1, TSPAN30

Function

Functions as a 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



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role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role 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.

Cellular Location

Cell membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endosome, multivesicular body. Melanosome. Secreted, extracellular 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).

Tissue Location

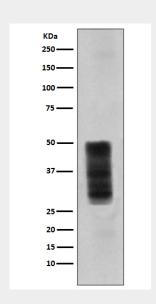
Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

CD63 Antibody - 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 Antibody - Images



Western blot analysis of CD63 expression in A375 cell lysate.