

CD63 Rabbit mAb

Catalog # AP75000

Product Information

Application	WB, IHC-P
Primary Accession	P41731
Reactivity	Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	25767

Additional Information

Gene ID	12512
Other Names	Cd63
Dilution	WB~~1:2000-1:20000 IHC-P~~N/A
Format	1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	Cd63
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 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/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P08962}; Multi-pass membrane

protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endosome, multivesicular body {ECO:0000250|UniProtKB:P08962}. Melanosome {ECO:0000250|UniProtKB:P08962}. Secreted, extracellular exosome. Cell surface {ECO:0000250|UniProtKB:P08962}. Note=Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules. Detected in a subset of pre-melanosomes. Detected on intraluminal vesicles (ILVs) within multivesicular bodies. {ECO:0000250|UniProtKB:P08962}

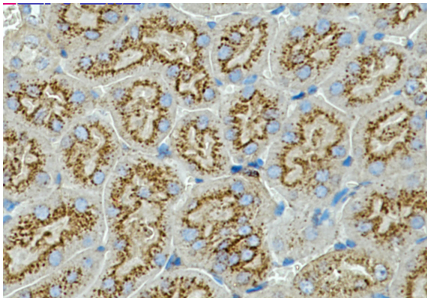
Tissue Location

Ubiquitous. Strongly expressed in kidney. Detected in spleen, bone marrow, peripheral blood mononuclear cells and macrophages

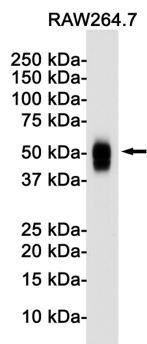
Background

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Images



Immunohistochemistry analysis of paraffin-embedded mouse kidney using CD63 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of CD63 in Raw264.7 lysates using CD63 antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.