

## ARG67080 anti-CD63 antibody [SQab30352]

Package: 100 µl

Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Recombinant Rabbit Monoclonal antibody [SQab30352] recognizes CD63   |
| Tested Reactivity   | Hu   |
| Tested Application  | IHC-P  |
| Host                | Rabbit   |
| Clonality           | Monoclonal   |
| Clone               | SQab30352  |
| Isotype             | IgG  |
| Target Name         | CD63   |
| Species             | Human  |
| Immunogen           | Recombinant protein of Human CD63.   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | CD63; CD63 Molecule; TSPAN30; ME491; MLA1; Ocular Melanoma-Associated Antigen; CD63 Antigen (Melanoma 1 Antigen); Melanoma-Associated Antigen ME491; Tetraspanin-30; Granulophysin; CD63 Antigen; Tspan-30; OMA81H; Limp1; Lysosomal-Associated Membrane Protein 3; Lysosome Integral Membrane Protein 1; Melanoma-Associated Antigen MLA1; LAMP-3 |

### Application Instructions

|                   |  |             |
|-------------------|--|-------------|
| Application table | Application  | Dilution    |
|                   | IHC-P  | 1:100-1:200 |
| Application Note  | IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Purification with Protein A.  |
| Buffer              | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.  |
| Preservative        | 0.01% Sodium azide  |
| Stabilizer          | 40% Glycerol and 0.05% BSA  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

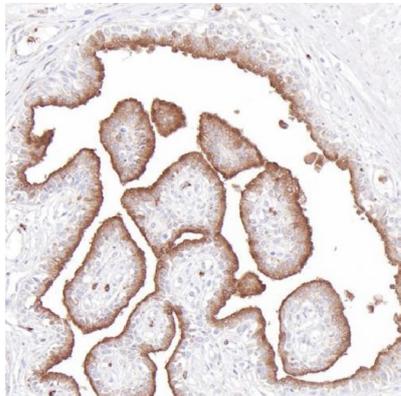
## Bioinformation

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|                       |   |
|-----------------------|---|
| Gene Symbol           | CD63  |
| Gene Full Name        | CD63 Molecule   |
| 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              | 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. [Uniprot] |
| Calculated Mw         | 26 kDa  |
| PTM                   | Glycoprotein, Lipoprotein, Palmitate. [Uniprot]   |
| Cellular Localization | Cell membrane, Endosome, Lysosome, Membrane, Secreted. [Uniprot]  |

## Images

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ARG67080 anti-CD63 antibody [SQab30352] IHC-P image

Immunohistochemistry: Human prostate stained with ARG67080 anti-CD63 antibody [SQab30352].