

CD63 Rabbit pAb

CatalogNo: YT5525

| Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- IF, WB, IHC, ELISA

MW

- 26,35-65(kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

IF 1:50-200

WB 1:500-1:2000

IHC: 1:100-1:300

ELISA 1:20000

Not yet tested in other applications

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from the Internal region of human CD63. AA range:121-170

Specificity CD63 Polyclonal Antibody detects endogenous levels of CD63 protein.

| Target Information

Gene name CD63
Protein Name CD63 antigen

Organism	Gene ID	UniProt ID
Human	967 ;	P08962 ;
Mouse		P41731 ;

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

Function Function:This antigen is associated with early stages of melanoma tumor progression. May play a role in growth regulation.,miscellaneous:Lack of expression of CD63 in platelets has been observed in a patient with Hermansky-Pudlak syndrome (HPS). Hermansky-Pudlak syndrome (HPS) is a genetically heterogeneous, rare, autosomal recessive disorder characterized by oculocutaneous albinism, bleeding due to platelet storage pool deficiency, and lysosomal storage defects. This syndrome results from defects of diverse cytoplasmic organelles including melanosomes, platelet dense granules and lysosomes. Ceroid storage in the lungs is associated with pulmonary fibrosis, a common cause of premature death in individuals with HPS.,similarity:Belongs to the tetraspanin (TM4SF) family.,subcellular location:Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules.,tissue specificity:Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.,

| Validation Data

| Contact information

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