

KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI1374

Specification

KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody - Product Information

Application WB, FC, ICC Primary Accession P51148

Reactivity Rat, Human, Mouse

Clonality Monoclonal Isotype Rabbit IgG

Calculated MW Predicted, 23 kDa; observed, 23 kDa KDa

Gene Name RAB5C

Aliases RAB5C; RAB5C, Member RAS Oncogene

Family; RAB5CL; RABL; RAB5C, Member Of RAS Oncogene Family; Ras-Related Protein Rab-5C; L1880; RAB5L; RAB, Member Of RAS Oncogene Family-Like; EC 3.6.5.2

Immunogen A synthesized peptide derived from human

RAB5C / RABL

KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody - Additional Information

Gene ID 5878

Other Names

Ras-related protein Rab-5C, 3.6.5.2, L1880, RAB5L, RAB5C, RABL

KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody - Protein Information

Name RAB5C (HGNC:9785)

Synonyms RABL

Function

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P20339}; Lipid-anchor {ECO:0000250|UniProtKB:P20339}; Cytoplasmic side {ECO:0000250|UniProtKB:P20339}. Early endosome membrane {ECO:0000250|UniProtKB:P20339}; Lipid-anchor {ECO:0000250|UniProtKB:P20339}. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

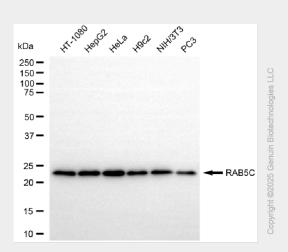


KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody - Protocols

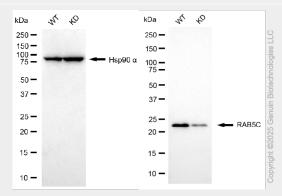
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-RAB5C Rabbit Monoclonal Antibody - Images

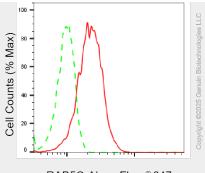


Western blotting analysis using anti-RAB5C antibody (Cat#AGI1374). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RAB5C antibody (Cat#AGI1374, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



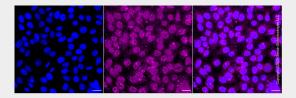
Western blotting analysis using anti-RAB5C antibody (Cat#AGI1374). RAB5C expression in wild type (WT) and RAB5C knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-RAB5C antibody (Cat#AGI1374, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





RAB5C-Alexa Fluor® 647

Flow cytometric analysis of RAB5C expression in HepG2 cells using anti-RAB5C antibody (Cat#AGI1374, 1:2,000). Green, isotype control; red, RAB5C.



Immunocytochemical staining of HepG2 cells with anti-RAB5C antibody (Cat#AGI1374, 1:1,000). Nuclei were stained blue with DAPI; RAB5C was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, $20~\mu m$.