

Anti-RAB32 antibody



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| Description | Unconjugated Rabbit polyclonal to RAB32 |
| Model | STJ191280 |
| Host | Rabbit |
| Reactivity | Human, Mouse |
| Applications | ELISA, WB |
| Immunogen | Synthesized peptide derived from human RAB32 protein. |
| Immunogen Region | 160-240aa |
| Gene ID | 10981 |
| Gene Symbol | RAB32 |
| Dilution range | WB 1:500-2000 ELISA 1:5000-20000 |
| Specificity | RAB32 Polyclonal Antibody detects endogenous levels of protein. |
| Tissue Specificity | Widely expressed with high levels in heart, liver, kidney, bone marrow, testis, colon and fetal lung. |
| Purification | RAB32 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Note | For Research Use Only (RUO). |
| Protein Name | Ras-related protein Rab-32 |
| Molecular Weight | 24 kDa |
| Clonality | Polyclonal |

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| Conjugation | Unconjugated |
| Isotype | IgG |
| Formulation | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Concentration | 1 mg/ml |
| Storage Instruction | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| Database Links | HGNC:9772OMIM:612906 |
| Alternative Names | Ras-related protein Rab-32 |
| Function | Acts as an A-kinase anchoring protein by binding to the type II regulatory subunit of protein kinase A and anchoring it to the mitochondrion. Also involved in synchronization of mitochondrial fission . Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis . Plays an important role in the control of melanin production and melanosome biogenesis . In concert with RAB38, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes . |
| Cellular Localization | Mitochondrion Mitochondrion outer membrane Cytoplasmic vesicle, phagosome Cytoplasmic vesicle, phagosome membrane Melanosome Melanosome membrane. Recruited to phagosomes containing S.aureus or M.tuberculosis . The BLOC-3 complex, a heterodimer of HPS1 and HPS4 promotes its membrane localization . |