

4488

ATP6V1B2 (D3O7Q) Rabbit mAb



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| Applications: W, IP | Sensitivity: Endogenous | MW (kDa): 55 | Source/Isotype: Rabbit IgG | UniProt ID: #P21281 | Entrez-Gene Id: 526 |
|-------------------------------|-----------------------------------|---|---|---|--|
| Product Usage Information | | Application Western Blotting Immunoprecipitation | | | Dilution 1:1000 1:50 |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. | | | |
| Specificity/Sensitivity | | ATP6V1B2 (D3O7Q) Rabbit mAb recognizes endogenous levels of total ATP6V1B2 protein. This antibody does not cross-react with ATP6V1B1 protein. | | | |
| Source / Purification | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human ATP6V1B2 protein. | | | |
| Background | | acidify intracellular com Intracellular v-ATPases p while plasma membran resorption (1,2). Vacuola component proteins for cytoplasmic V1 domain protein subunits require exhibits protein translot (2). Research studies shi interact with the Ragula mTORC1 on the surface Two isoforms of the B s expressed primarily in t renal tubular acidosis as | partments and translocate play an important role in e e v-ATPases are important ar ATPase enzymes are largund in either the V1 periph contains a hexamer of A a ed for ATPase assembly an case activity and is responsow that the v-ATPases ATPutor protein complex and a of lysosomes (3). ubunit are found in human he kidney, with mutations | e protons across the indocytosis and intra- cin processes such a ge, heteromultimeri heral domain or the nd B catalytic subur and ATP hydrolysis. The sible for transport of 6V0c, ATP6V0d1, AT are essential for amins, ATP6V1B1 and A in the corresponding the hearing loss (4,5). | acellular membrane trafficking, as urinary acidification and bone ic protein complexes with V0 integral domain (2). The nits, as well as a number of other ne integral V0 v-ATPase domain of protons across the membrane P6V1A, ATP6V1B2, and ATP6V1D no acid induced activation of TP6V1B2. The ATP6V1B1 protein is ng gene responsible for a form of ATP6V1B2 protein exhibits a |
| Background References | | 1. Marshansky, V. and Futai, M. (2008) <i>Curr Opin Cell Biol</i> 20, 415-26. 2. Jefferies, K.C. et al. (2008) <i>Arch Biochem Biophys</i> 476, 33-42. 3. Zoncu, R. et al. (2011) <i>Science</i> 334, 678-83. 4. van Hille, B. et al. (1994) <i>Biochem J</i> 303 (Pt 1), 191-8. 5. Karet, F.E. et al. (1999) <i>Nat Genet</i> 21, 84-90. | | | |
| Species Peastivity | | Coories reactivity is data | aveninged by tacting in at lea | | oplication (o.g., western blot) |

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation

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