

## Anti-RAB7(Ras-related protein Rab-7) Polyclonal Antibody

Cat. #: 60B985

### Description:

RAB7(Ras-related protein Rab-7) is a protein transporter. RAB7 is probably involved in vesicular traffic. RAB7 is found on late endosomes and is widely expressed. The high expression is found in skeletal muscle. Defects in RAB7 are the cause of Charcot-Marie-Tooth disease type 2B (CMT2B). CMT2, also known as hereditary motor and sensory neuropathy II (HMSN2), is a peripheral axonal neuropathy manifesting with progressive distal muscle weakness and atrophy. It is characterized by signs of axonal regeneration in the absence of obvious myelin alterations. Nerve conduction velocities are normal or slightly reduced. CMT2B is clinically characterized by marked distal muscle weakness and a high frequency of foot ulcers, infections and amputations of the toes. CMT2B inheritance is autosomal dominant. RAB7 belongs to the small GTPase superfamily and Rab family.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human RAB7 (Ras-related protein Rab-7)

### References

Vitelli,R., et al, Biochem. Biophys. Res. Commun. 229 (3), 887-890 (1996)  
Davies,J.P.,et al, Genomics 41 (1), 131-134 (1997)  
Verhoeven,K., et al, Am. J. Hum. Genet. 72 (3), 722-727 (2003)

Species: human, mouse, rat  
Storage and Stability: at -20oC

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)