



RAB7APolyclonal Antibody

E90631

- Catalog Number:** E90631
- Amount:** 100ul
- Background:** Rab7 and Rab9 are members of the Ras superfamily of small Rab GTPases (1). Both proteins are located in late endosomes, but exert different functions. Rab7 associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes (2,3). Rab7 also helps to regulate growth receptor endocytic trafficking and degradation (3,4), and maturation of phagosome and autophagic vacuoles (4-6). Rab9 interacts with its effector proteins p40 and TIP47 (7,8) to promote the MPR (mannose 6-phosphate receptor)-associated lysosomal enzyme transport between late endosomes and the trans Golgi network (9,10).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** FLJ20819; PRO2706; RAB7;
- Immunogen:** A synthetic peptide of human RAB7A
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB
- Molecular Weight:** 23kDa
- Swiss-Prot No. :** P51149
- Gene ID:** 7879
- References:** 1. Zerial, M. and McBride, H. (2001) Nat Rev Mol Cell Biol 2, 107-17. 2. Feng, Y. et al. (1995) J Cell Biol 131, 1435-52. 3. Méresse, S. et al. (1995) J Cell Sci 108 (Pt 11), 3349-58. 4. Ceresa, B.P. and Bahr, S.J. (2006) J Biol Chem 281, 1099-106. 5. Jäger, S. et al. (2004) J Cell Sci 117, 4837-48. 6. Méresse, S. et al. (1999) EMBO J 18, 4394-403. 7. Díaz, E. et al. (1997) J Cell Biol 138, 283-90. 8. Barbero, P. et al. (2002) J Cell Biol 156, 511-8. 9. Lombardi, D. et al. (1993) EMBO J 12, 677-82. 10. Riederer, M.A. et al. (1994) J Cell Biol 125, 573-82.

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