

Rab11FIP1 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 85	Source/Isotype: Rabbit	UniProt ID: #Q6WKZ4	Entrez-Gene Id: 80223
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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 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Rab11FIP1 Antibody recognizes endogenous levels of total Rab11FIP1 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Thr188 of human Rab11FIP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Rab11 family proteins consist of closely related Rab11a, Rab11b, and Rab25. They are small GTPases thought to play an essential role in regulating endocytic membrane traffic (1,2). The GTP-bound active state Rab11 proteins interact with the Rab11 family interacting proteins (Rab11FIPs) via a conserved carboxy-terminal Rab11-binding domain (3,4). At least six members of the Rab11FIPs have been identified. Based on sequence homology and domain structures, Rab11FIP1, Rab11FIP2 and Rab11FIP5 are categorized as class I subfamily members, whereas Rab11FIP3 and Rab11FIP4 belong to the class II subfamily that bind Arf6 and Rab11 proteins (5-7). Research studies have implicated Rab11 family proteins and their interacting effectors in carcinogenesis (8,9).

Background References

1. Bock, J.B. et al. (2001) *Nature* 409, 839-41.
2. Ullrich, O. et al. (1996) *J Cell Biol* 135, 913-24.
3. Hales, C.M. et al. (2001) *J Biol Chem* 276, 39067-75.
4. Prekeris, R. et al. (2001) *J Biol Chem* 276, 38966-70.
5. Meyers, J.M. and Prekeris, R. (2002) *J Biol Chem* 277, 49003-10.
6. Lindsay, A.J. and McCaffrey, M.W. (2004) *J Cell Sci* 117, 4365-75.
7. Hickson, G.R. et al. (2003) *Mol Biol Cell* 14, 2908-20.
8. Zhang, J. et al. (2009) *J Clin Invest* 119, 2171-83.
9. Muller, P.A. et al. (2009) *Cell* 139, 1327-41.

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 BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **Mk:** Monkey

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