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Rab11FIP1 (D9D8P) Rabbit mAb

☑ 100 µl
(10 western blots)

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Entrez Gene ID #80223
UniProt ID #Q6WKZ4

Applications	Species Cross-Reactivity*	Molecular Wt.	Isotype
W, IP, IF-IC	H, M, Mk	85 kDa	Rabbit IgG**
Endogenous			

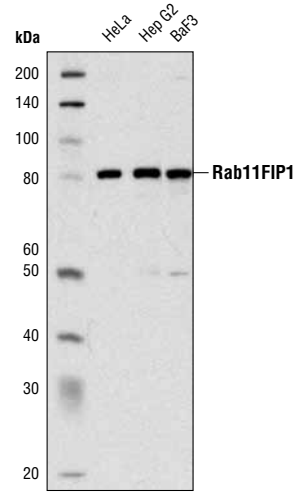
Background: Rab11 family proteins consist of closely related Rab11a, Rab11b, and Rab25. They are small GTPases thought to play an essential role in regulating endocytic membrane traffic (1,2). The GTP-bound active state Rab11 proteins interact with the Rab11 family interacting proteins (Rab11FIPs) via 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).

Specificity/Sensitivity: Rab11FIP1 (D9D8P) Rabbit mAb recognizes endogenous levels of total Rab11FIP1 protein.

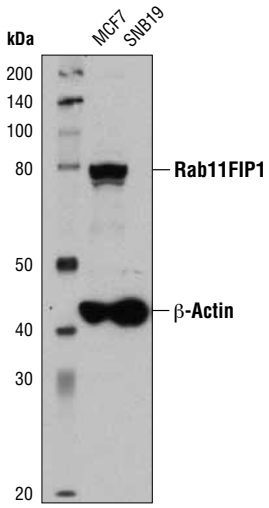
Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu248 of human Rab11FIP1 protein.

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.



Western blot analysis of extracts from HeLa, Hep G2, and BaF3 cells using Rab11FIP1 (D9D8P) Rabbit mAb.



Western blot analysis of extracts from MCF7 and SNB19 cells using Rab11FIP1 (D9D8P) Rabbit mAb and β-Actin (D6A8) Rabbit mAb #8457. ▶

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. *Do not aliquot the antibody.*

***Species cross-reactivity is determined by western blot.**

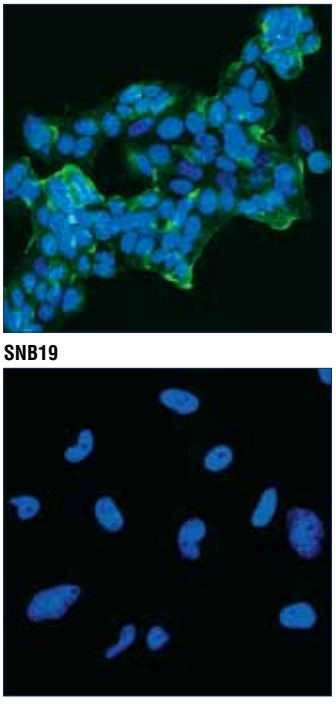
****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting	1:1000
Immunoprecipitation	1:100
Immunofluorescence (IF-IC)	1:100

For product specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended complementary products.



Confocal immunofluorescent analysis of MCF7 (positive, upper) and SNB19 (negative, lower) cells using RAB11FIP1 (D9D8P) Rabbit mAb (green). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).

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

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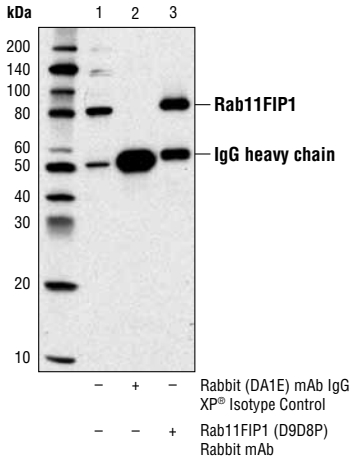
Applications Key: **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide
Species Cross-Reactivity Key: **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **Mi**—mink **C**—chicken **Dm**—D. melanogaster **X**—Xenopus **Z**—zebrafish **B**—bovine **Dg**—dog **Pg**—pig **Sc**—S. cerevisiae **Ce**—C. elegans **Hr**—horse **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.



Immunoprecipitation of Rab11FIP1 from HeLa cell extracts using Rabbit (DA1E) mAb IgG XP® Isotype Control #3900 (lane 2) or Rab11FIP1 (D9D8P) Rabbit mAb (lane 3). Lane 1 is 10% input. Western blot analysis was performed using Rab11FIP1 (D9D8P) Rabbit mAb.