FIP200 (D10D11) Rabbit mAb

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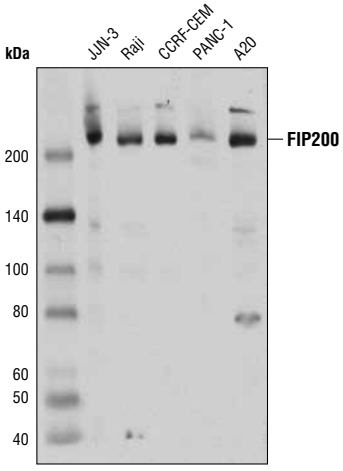
Entrez-Gene ID #9821
Swiss-Prot Acc. #Q8TDYZ

Applications	Species Cross-Reactivity*	Molecular Wt.	Isotype
W, IP Endogenous	H, M, (Mk)	200 kDa	Rabbit IgG**

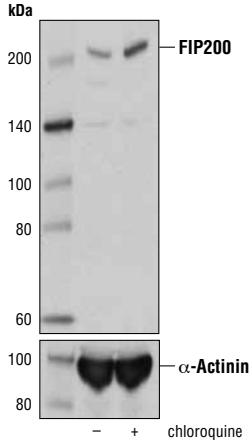
Background: FIP200 (FAK family kinase-interacting protein of 200 kDa) was identified in a two-hybrid screen with the tyrosine kinase Pyk2 and can inhibit Pyk2 kinase activity as well as related family members (1). FIP200 was later independently identified in a multi-drug resistance screen and named RB1CC1 (RB1-inducible coiled-coil 1) due to its induction by cytotoxic stress and RB1 expression regulation (2). FIP200 function has been linked to apoptosis, cell cycle progression, cell growth, and migration (reviewed in 3). FIP200 has also recently been shown to interact with ULK1 and is required for autophagosome formation (4). FIP200 is part of an ULK1 complex along with Atg13 that is regulated by mTOR and is required for starvation induced autophagy (5-7).

Specificity/Sensitivity: FIP200 (D10D11) Rabbit mAb recognizes endogenous levels of total FIP200 protein.

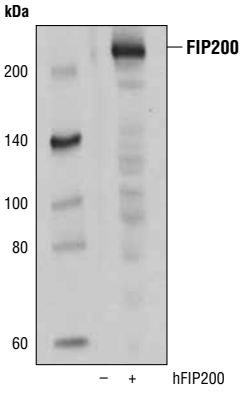
Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human FIP200 protein.



Western blot analysis of extracts from various cell lines using FIP200 (D10D11) Rabbit mAb.



Western blot analysis of extracts from A172 cells, untreated (-) or chloroquine-treated (50 µM, overnight; +) using FIP200 (D10D11) Rabbit mAb (upper) or α-Actinin (D6F6) XP® Rabbit mAb #6487 (lower).



Western blot analysis of extracts from 293T cells, mock transfected (-) or transfected with a construct expresssing full-length human FIP200 (hFIP200; +), using FIP200 (D10D11) Rabbit mAb.

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

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:

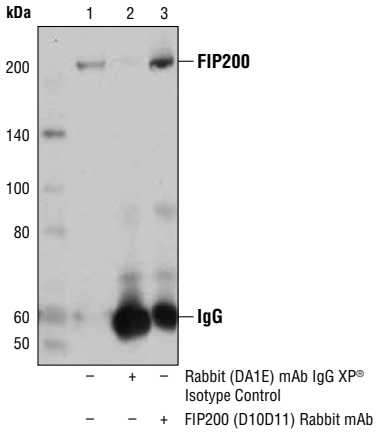
Western blotting	1:1000
Immunoprecipitation	1:100

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.

Background References:

(1) Ueda, H. et al. (2000) *J Cell Biol* 149, 423-30.
(2) Chano, T. et al. (2002) *Oncogene* 21, 1295-8.
(3) Gan, B. and Guan, J.L. (2008) *Cell Signal* 20, 787-94.
(4) Hara, T. et al. (2008) *J Cell Biol* 181, 497-510.
(5) Hosokawa, N. et al. (2009) *Mol Biol Cell* 20, 1981-91.
(6) Jung, C.H. et al. (2009) *Mol Biol Cell* 20, 1992-2003.
(7) Ganley, I.G. et al. (2009) *J Biol Chem* 284, 12297-305.



Immunoprecipitation of FIP200 from JJN-3 cell extracts using Rabbit (DA1E) mAb IgG XP® Isotype Control #3900 (lane 2) or FIP200 (D10D11) Rabbit mAb (lane 3). Lane 1 is 10% input. Western blot analysis was performed using FIP200 (D10D11) Rabbit mAb.

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.