

FIP200 (D10D11) Rabbit mAb

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Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 200	Source/Isotype: Rabbit IgG	UniProt ID: #Q8TDY2	Entrez-Gene Id: 9821
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

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.

Specificity/Sensitivity

FIP200 (D10D11) Rabbit mAb recognizes endogenous levels of total FIP200 protein.

Species predicted to react based on 100% sequence homology

Monkey

Source / Purification

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

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).

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.

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

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