

PFKFB2 (D7G5R) Rabbit mAb



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| Applications: W, IP, IF-IC | Reactivity: H Mk | Sensitivity: Endogenous | MW (kDa): 55 | Source/Isotype: Rabbit IgG | UniProt ID: #O60825 | Entrez-Gene Id 5208 |
|--------------------------------------|---------------------|---|---|---|--|--|
| Product Usage Information | • | Application Western Blotting Immunoprecipitation Immunofluorescence | | istry) | | Dilution 1:1000 1:50 1:800 |
| 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 | | PFKFB2 (D7G5R) Rabbit mAb recognizes endogenous levels of total PFKFB2 protein. | | | | |
| Source / Purification | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro454 within the fructose-2,6-biphosphatase region of human PFKFB2 protein. | | | | |
| Background | | catalyzes the synthesi level (1,2). Fructose 2, glycolysis, by allosteri PFKFB4) have been ide | s and degradation of 6-bisphosphate action c regulation (1,2). Fo entified (1,2). Resea horylation at Ser48 | se/fructose-2,6-bisphosp of fructose 2,6-bisphosp vates phosphofructokin our different PFKFB isofo rch studies indicate that 3 on PFKFB2 (3). In addit cells (4). | hate and regulates ase, a rate-limiting orms (PFKFB1, PFKF : amino acids activa | its steady-state enzyme in B2, PFKFB3, and ate PFKFB2 through |
| Background References | | 1. Atsumi, T. et al. (2005) <i>Diabetes</i> 54, 3349-57. 2. Kim, S.G. et al. (2006) <i>J Biol Chem</i> 281, 2939-44. 3. Novellasdemunt, L. et al. (2013) <i>J Biol Chem</i> 288, 10640-51. 4. Moon, J.S. et al. (2011) <i>Biochem J</i> 433, 225-33. | | | | |
| Species Reacti | vity | Species reactivity is de | etermined by testin | g in at least one approve | ed application (e.g., | western blot). |
| Western Blot Buffer | | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | | | | n 5% w/v BSA, 1X |
| Applications Key | | W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) | | | | |
| Cross-Reactivity Key | | H: Human Mk: Monke | ey . | | | |
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