

PPM1F Antibody (Center)

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| Catalog_no : | AB1998 |
| Applications : | WB |
| Reactivity : | H |
| Category : | 抗原抗体 |
| Size : | 100μL/50μL |
| Immunogen : | HUMAN:275-303 |
| Specificity : | This PPM1F antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-303 amino acids from the Central region of human PPM1F. |
| Dilution : | WB,1:1000; |
| Purification : | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Other_name : | Protein phosphatase 1F, Ca(2+)/calmodulin-dependent protein kinase phosphatase, CaM-kinase phosphatase, CaMKPase, Partner of PIX 2, Protein fem-2 homolog, hFem-2, PPM1F, KIAA0015, POPX2 |
| Isotype : | Rabbit Ig |
| Background : | The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined. |
| reference : | Harvey, B.P., et al. J. Biol. Chem. 279(23):24889-24898(2004) Koh, C.G., et al. Curr. Biol. 12(4):317-321(2002) Tan, K.M., et al. J. Biol. Chem. 276(47):44193-44202(2001) Kitani, T., et al. J. Biochem. 125(6):1022-1028(1999) |