Mouse Prr5 Antibody (C-term)

Catalog_no： AB1909

Applications： WB

Reactivity： M

Category： 抗原抗体

Size： 100μL/50μL

Immunogen： MOUSE:277-305

Specificity： This Mouse Prr5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-305 amino acids from the C-terminal region of mouse Prr5.

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： Proline-rich protein 5, Protein observed with Rictor-1, Protor-1, Prr5 {ECO:0000250|UniProtKB:P85299}, Protor1

Isotype： Rabbit Ig

Background： Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'. PRR5 plays an important role in regulation of PDGFRB expression and in modulation of platelet-derived growth factor signaling. May act as a tumor suppressor in breast cancer (By similarity).

reference： Johnstone, C.N., et al. Genomics 85(3):338-351(2005) Shan, Z., et al. Gene 303, 55-61 (2003) :