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| Swiss-Prot No.: | P27986 |
| Altermname: | PIK3R1 |
| Storage/Stability: | Store at -20°C. Avoid freeze / thaw cycles. |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 240-380 of human PIK3R1 (NP_852556.2). |
| Purification: | Affinity purified |
| Reactivity: | Human,Mouse,Rat |
| Other Names: | p85; AGM7; GRB1; IMD36; p85-ALPHA |
| Relevance: | Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Plays an important role in signaling in response to FGFR1, FGFR2, FGFR3, FGFR4, KITLG/SCF, KIT, PDGFRA and PDGFRB. Likewise, plays a role in ITGB2 signaling (PubMed:17626883, PubMed:19805105, PubMed:7518429). Modulates the cellular response to ER stress by promoting nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin-dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement |

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| | (PubMed:20348923). |
| Source: | Rabbit |
| Antibody type: | Polyclonal antibody |
| Isotype: | Rabbit IgG |
| Molecular Weight: | 85kDa |
| Preservative: | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Recommended Dilutions: | WB 1:500 - 1:2000(Optimal dilutions should be determined by the end user) |