



PI3K P85 β

Mouse monoclonal Antibody

#53327

Catalog Number: 53327

Amount: 100 μ g/100 μ l

Swiss-Prot No. : O00459

Gene name: pik3r2

Gene id: 5296

Clone Number: 8D9-D5-F8

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20 $^{\circ}$ C/1 year

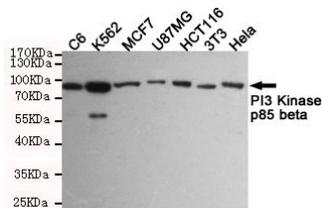
Immunogen: Purified recombinant human PI3K P85 β protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of PI3K P85 β and does not cross-react with related proteins

Reactivity: Human, Mouse, Rat

Applications: Predicted MW: 85 kd WB: 1:1000



Western blot detection of PI3 Kinase p85 beta in C6, K562, MCF7, U87MG, HCT116, 3T3 and HeLa cell lysates using PI3 Kinase p85 beta mouse mAb (1:1000 diluted). Predicted band size: 85 kDa. Observed band size: 85 kDa.

Background:

Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene.