

PI3 Kinase p85 beta Rabbit mAb
Catalog # AP77330**Specification**

PI3 Kinase p85 beta Rabbit mAb - Product Information

Application	WB, IHC
Primary Accession	O00459
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	81545

PI3 Kinase p85 beta Rabbit mAb - Additional Information**Gene ID** 5296**Other Names**

PIK3R2

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

PI3 Kinase p85 beta Rabbit mAb - Protein Information**Name** PIK3R2**Function**

Regulatory subunit of phosphoinositide-3-kinase (PI3K), a kinase that phosphorylates PtdIns(4,5)P₂ (Phosphatidylinositol 4,5- biphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP₃). PIP₃ plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Binds to activated (phosphorylated) protein- tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Indirectly regulates autophagy (PubMed:23604317). Promotes 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 (By similarity).

PI3 Kinase p85 beta Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PI3 Kinase p85 beta Rabbit mAb - Images

