

Anti-PI 3-kinase p101 antibody



Description	Rabbit polyclonal to PI 3-kinase p101.
Model	STJ95073
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PI 3-kinase p101
Immunogen Region	670-750 aa, C-terminal
Gene ID	23533
Gene Symbol	PIK3R5
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	PI 3-kinase p101 Polyclonal Antibody detects endogenous levels of PI 3-kinase p101 protein.
Tissue Specificity	Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Phosphoinositide 3-kinase regulatory subunit 5 PI3-kinase regulatory subunit 5 PI3-kinase p101 subunit Phosphatidylinositol 4,5-bisphosphate 3-kinase regulatory subunit PtdIns-3-kinase regulatory subunit Protein FOAP-2

Molecular Weight	100 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:300350MIM:611317
Alternative Names	Phosphoinositide 3-kinase regulatory subunit 5 PI3-kinase regulatory subunit 5 PI3-kinase p101 subunit Phosphatidylinositol 4,5-bisphosphate 3-kinase regulatory subunit PtdIns-3-kinase regulatory subunit Protein FOAP-2
Function	Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG .
Sequence and Domain Family	The heterodimerization region allows the binding to the catalytic subunit.
Cellular Localization	Nucleus Cytoplasm Cell membrane. Predominantly localized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner.

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