Ablumir
Built Around Immunology

Anti-PI3-Kinase p85α Rabbit mAb [58C43]

Catalog No.: A52275

Basic Information

Catalog No. (Cat.No.)	A52275
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	PI3-Kinase p85α,PI3K-p85α,PI3K regulatory subunit alpha,p85α,PIK3R1,phosphoinositide-3-kinase regulatory subunit p85-alpha

Product Information

Target	PI3-Kinase p85α
Molecular Weight(Calculated)	84 kDa
Molecular Weight(Observed)	84 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	58C43
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Phosphatidylinositol 3-kinase regulatory subunit-alpha
Gene Name	*PIK3R1*
Domain	NA
Background	PIK3R1 (PI3-kinase p85α, phosphoinositide-3-kinase regulatory subunit alpha) belongs to PI3K regulatory-subunit family and assembles PI3K holoenzyme for RTK-downstream signal transduction. As regulatory component of PI3K heterodimer, p85α harbors SH2 domains that bind phosphorylated tyrosine residues on activated receptor tyrosine kinases. It recruits p110 catalytic subunit to plasma membrane to trigger PI3K activity, converting PIP2 into PIP3 and initiating AKT signaling. Free p85α exerts inhibitory effect on p110 to keep pathway quiescent. Mutation and dysregulation of p85α are linked to malignancy and immune disorders.