

Rabbit anti-Human PI3 Kinase p85 alpha/beta/gamma Monoclonal Antibody | anti-PIK3R1/PIK3R2/PIK3R3 antibody

PI3 Kinase p85 alpha/beta/gamma mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282994	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

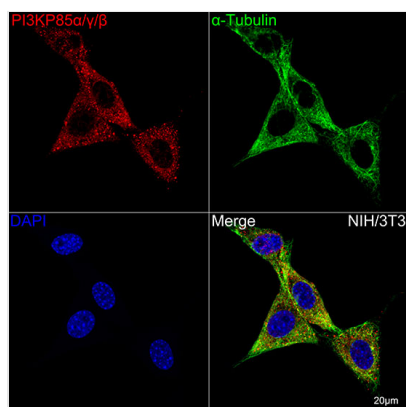
PRODUCT SYNONYMS

PI3 Kinase p85 alpha/beta/gamma; Monoclonal Antibody; PI3 Kinase p85 alpha/beta/gamma mAb; PIK3R1/PIK3R2/PIK3R3; anti-PIK3R1/PIK3R2/PIK3R3 antibody

PRODUCT SPECIFICATIONS

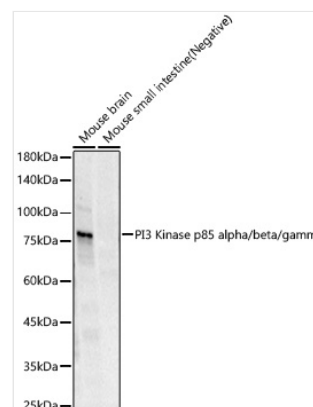
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SVVELINHYR NESLAQYNPK LDVKLLYPVS KYQQDQVVKE DNIEAVGKKL HEYNTQFQEK SREYDRLYEE YTRTSQEIQM KRTAIEAFNE TIKIFEEQCQ T
Applicable Applications for anti-PIK3R1/PIK3R2/PIK3R3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 400-500 of human PI3 Kinase p85 alpha/beta (NP_852664.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of NIH/3T3 cells using PI3 Kinase p85 alpha/beta/gamma Rabbit mAb(AAA282994, dilution 1:200) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 60x.



WB (Western Blot)

Western blot analysis of various lysates, using PI3 Kinase p85 alpha/beta/gamma mAb (AAA282994) at 1:9000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R1/PIK3R2/PIK3R3 antibody	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]
Product Categories/Family for anti-PIK3R1/PIK3R2/PIK3R3 antibody	Protein phosphorylation; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	335057534
NCBI GeneID	5295/5296/8503
NCBI Accession #	NP_001229395.1
NCBI GenBank Nucleotide #	NM_001242466.1
UniProt Accession #	P27986; O00459
Molecular Weight	Calculated MW: 42-54kDa/81-84kDa Observed MW: 85kDa
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
UniProt Gene Name	PIK3R1
UniProt Synonym Gene Names	GRB1; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha
UniProt Entry Name	P85A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pi3-kinase-p85-alpha-beta-gamma-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282994>