

Rabbit anti-Human, Rat PI3 Kinase p85 beta Monoclonal Antibody | anti-PIK3R2 antibody

PI 3 Kinase p85 beta Antibody

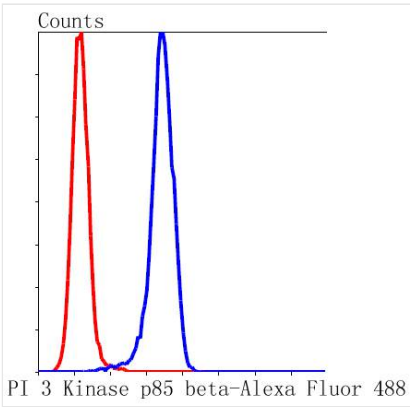
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30091	Rabbit	Human, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PI3 Kinase p85 beta; Monoclonal Antibody; PI 3 Kinase p85 beta Antibody; p85 antibody; p85 beta antibody; P85B antibody; P85B_HUMAN antibody; Phosphatidylinositol 3 kinase antibody; Phosphatidylinositol 3 kinase regulatory beta subunit antibody; Phosphatidylinositol 3 kinase regulatory subunit beta antibody; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 2 antibody; Phosphatidylinositol 3 kinase; regulatory subunit; polypeptide 2 (p85 beta) antibody; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta antibody; Phosphatidylinositol 3-kinase regulatory subunit beta antibody; Phosphoinositide 3 kinase regulatory subunit 2 (beta) antibody; Phosphoinositide 3 kinase regulatory subunit 2 antibody; Phosphoinositide 3 kinase regulatory subunit polypeptide 2 (p85 beta) antibody; Phosphoinositide 3 kinase regulatory subunit polypeptide 2 antibody; Phosphoinositide 3 kinase; regulatory subunit 2 (beta) antibody; regulatory subunit 2 (p85 beta) antibody; PI3 kinase p85 beta subunit antibody; PI3 kinase p85 subunit beta antibody; PI3-kinase regulatory subunit beta antibody; PI3-kinase subunit p85-beta antibody; PI3K antibody; PI3K regulatory subunit beta antibody; PIK3R 2 antibody; PIK3R2 antibody; PtdIns 3 kinase p85 beta antibody; PtdIns-3-kinase regulatory subunit beta antibody; PtdIns-3-kinase regulatory subunit p85-beta antibody; anti-PIK3R2 antibody

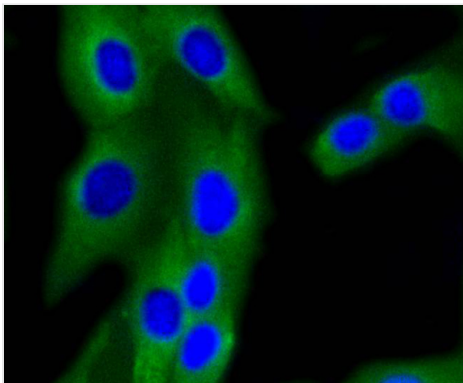
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	ST04-77
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PIK3R2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



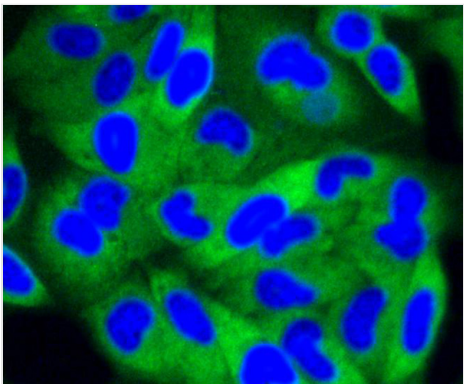
FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with PI 3 Kinase p85 beta antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



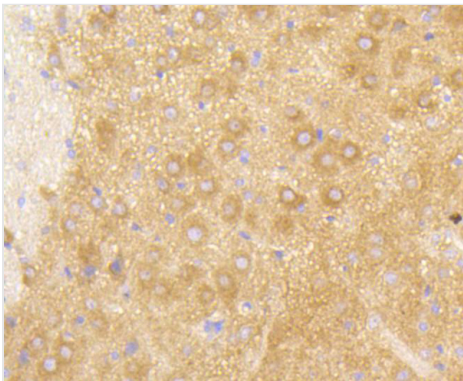
ICC (Immunocytochemistry)

ICC staining PI 3 Kinase p85 beta in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



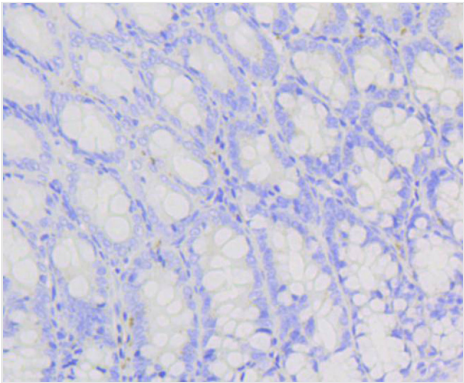
ICC (Immunocytochemistry)

ICC staining PI 3 Kinase p85 beta in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



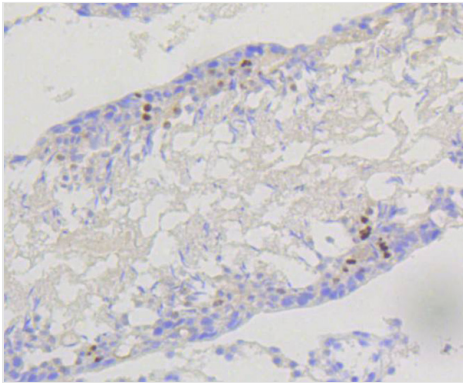
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PI 3 Kinase p85 beta antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat colon tissue using anti-PI 3 Kinase p85 beta antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-PI 3 Kinase p85 beta antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R2 antibody	Phosphatidylinositol 3-kinase (PI 3-kinase) is composed of p85 and p110 subunits. p85 lacks PI 3-kinase activity and acts as an adapter, coupling p110 to activated protein tyrosine kinase. Two forms of p85 have been described (p85alpha and p85beta), each possessing one SH3 and two SH2 domains. Various p110 isoforms have been identified. p110alpha and p110beta interact with p85alpha, and p110alpha has also been shown to interact with p85beta in vitro. p110alpha expression is restricted to white blood cells. It has been shown to bind p85alpha and p85beta , but it apparently does not phosphorylate these subunits. p110alpha seems to have the capacity to autophosphorylate. p110alpha does not interact with the p85 subunits. It has been shown to be activated by alpha and beta heterotrimeric G proteins.
Product Categories/Family for anti-PIK3R2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826908
NCBI GeneID	5296
NCBI Accession #	NP_005018.1
NCBI GenBank Nucleotide #	NM_005027.3
UniProt Accession #	O00459; Q5EAT5; Q9UPH9
Molecular Weight	728
NCBI Official Full Name	phosphatidylinositol 3-kinase regulatory subunit beta
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 2 (beta)
NCBI Official Symbol	PIK3R2
NCBI Official Synonym Symbols	p85; MPPH; P85B; p85-BETA
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta; PI3K regulatory subunit beta; ptdIns-3-kinase regulatory subunit p85-beta; phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; phosphatidylinositol 3-kinase, reg
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit beta
UniProt Gene Name	PIK3R2
UniProt Synonym Gene Names	PI3-kinase regulatory subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta
UniProt Entry Name	P85B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/pi3-kinase-p85-beta-antibody-clone-st04-77-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/30091>