

Rabbit PI3 Kinase p85 alpha Monoclonal Antibody | anti-PIK3R1 antibody

PI 3 Kinase p85 alpha Antibody

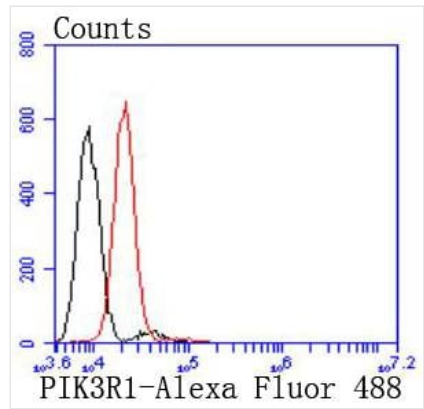
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30081	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

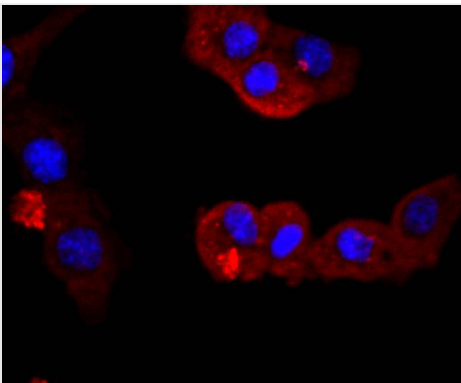
PI3 Kinase p85 alpha; Monoclonal Antibody; PI 3 Kinase p85 alpha Antibody; GRB1 antibody; p85 alpha antibody; p85 antibody; P85A_HUMAN antibody; Phosphatidylinositol 3 kinase associated p 85 alpha antibody; Phosphatidylinositol 3 kinase regulatory 1 antibody; Phosphatidylinositol 3 kinase; regulatory subunit; polypeptide 1 (p85 alpha) antibody; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha antibody; Phosphatidylinositol 3-kinase regulatory subunit alpha antibody; Phosphoinositide 3 kinase; regulatory subunit 1 (alpha) antibody; PI3 kinase p85 subunit alpha antibody; PI3-kinase regulatory subunit alpha antibody; PI3-kinase subunit p85-alpha antibody; PI3K antibody; PI3K regulatory subunit alpha antibody; Pik3r1 antibody; PtdIns 3 kinase p85 alpha antibody; PtdIns-3-kinase regulatory subunit alpha antibody; PtdIns-3-kinase regulatory subunit p85-alpha antibody; anti-PIK3R1 antibody

PRODUCT SPECIFICATIONS

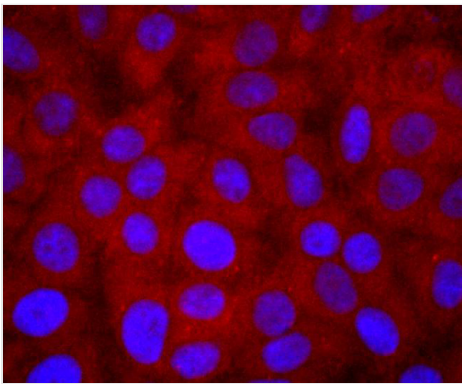
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SU04-07
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PIK3R1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), 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.



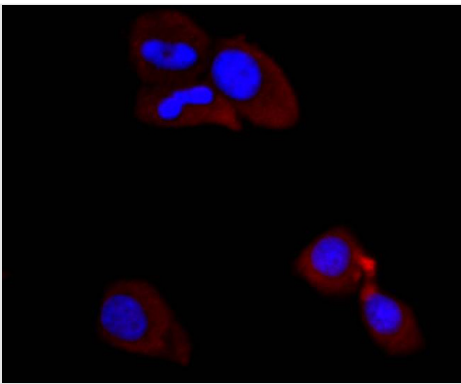
FCM (Flow Cytometry)
Flow cytometric analysis of HepG2 cells with PI 3 Kinase p85 alpha antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



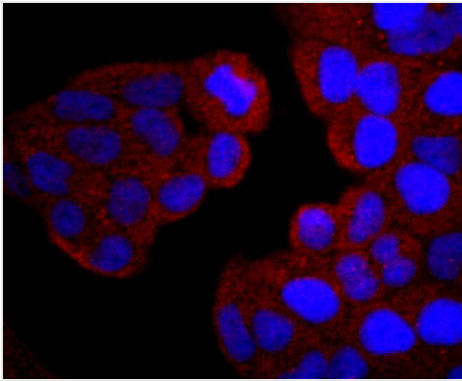
ICC (Immunocytochemistry)
ICC staining PI 3 Kinase p85 alpha in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



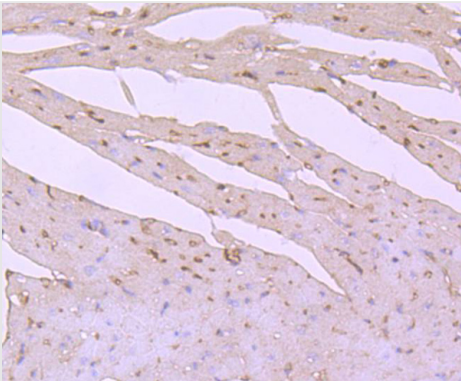
ICC (Immunocytochemistry)
ICC staining PI 3 Kinase p85 alpha in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining PI 3 Kinase p85 alpha in MCF-7 cells (red). 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 alpha in HeLa cells (red). 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 mouse heart tissue using anti-PI 3 Kinase p85 alpha antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R1 antibody	Phosphatidylinositol 3-kinase (PI 3-kinase) phosphorylates the 3' OH position of the inositol ring of inositol lipids and is composed of p85 and p110 subunits. PI 3-kinase 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. PI 3-kinase p85alpha, also known as GRB1, phosphatidylinositol 3-kinase regulatory 1 or p85, is a 724 amino acid protein that exists as four alternatively spliced isoforms. Involved in insulin metabolism, defects in the PI 3-kinase p85alpha gene have been linked to insulin resistance. PI 3-kinase p85alpha is polyubiquitinated in T-cells by Cbl-b, and has multiple phosphorylated amino acid residues, including a phosphorylated tyrosine residue at position 467.
Product Categories/Family for anti-PIK3R1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	335057534
NCBI GeneID	5295
NCBI Accession #	NP_001229395.1
NCBI GenBank Nucleotide #	NM_001242466.1
UniProt Accession #	P27986; Q15747; Q4VBZ7; Q53EM6; Q8IXA2; Q8N1C5; B3KT19; D3DWA0; E7EX19
Molecular Weight	83,598 Da
NCBI Official Full Name	phosphatidylinositol 3-kinase regulatory subunit alpha isoform 4
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
NCBI Official Symbol	PIK3R1
NCBI Official Synonym Symbols	p85; AGM7; GRB1; p85-ALPHA
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; ptdIns-3-kinase regulatory subunit alpha; phosphoinositide-3-kinase regulatory subunit; phosphatidylinositol 3-kinase-associated p-85 alph
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-antibody-clone-su04-07-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30081>