

Mouse anti-Rat, Mouse PI 3 Kinase P85alpha Monoclonal Antibody | anti-PI3 antibody

PI 3 Kinase P85alpha Monoclonal Antibody (3B7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320492	Mouse	Rat, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

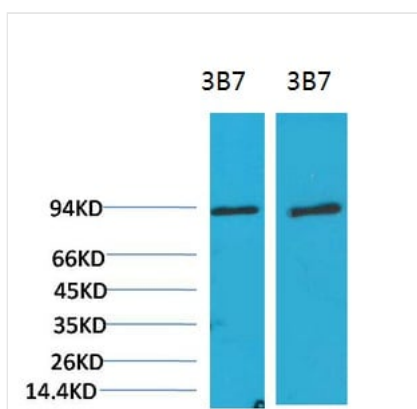
PRODUCT SYNONYMS

PI 3 Kinase P85alpha; Monoclonal Antibody; PI 3 Kinase P85alpha Monoclonal Antibody (3B7); Phosphatidylinositol 3-kinase regulatory subunit alpha (PI3-kinase regulatory subunit alpha)(PI3K regulatory subunit alpha)(PtdIns-3-kinase regulatory subunit alpha)(Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha)(PI3-kinase subunit p85; PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; PI3-kinase subunit p85-alpha; PtdIns-3-kinase regulatory subunit p85-alpha; anti-PI3 antibody

PRODUCT SPECIFICATIONS

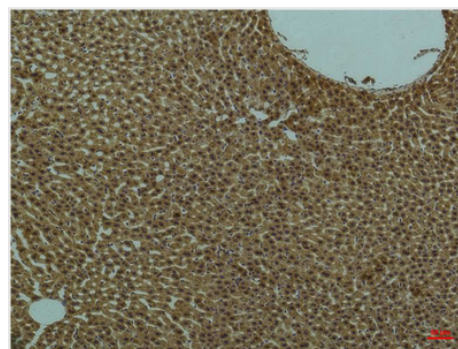
Host	Mouse
Reactivity	Rat, Mouse
Clonality	Monoclonal
Clone Number	3B7
Specificity	PI3 Kinase P85alpha protein detects endogenous levels of PI3 Kinase P85alpha
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PI3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein of PI3 Kinase P85?
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



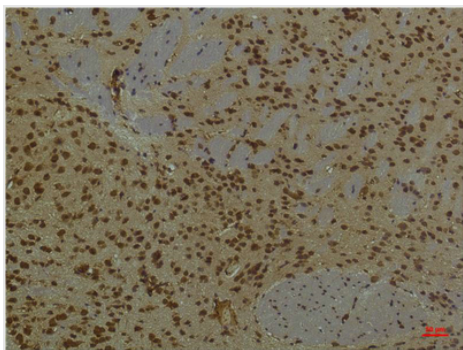
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using PI3 Kinase P85 ? Mouse mAb diluted at 1:200.



Application Data

Wang, L., Xiong, Q., Li, P. et al. The negative charge of the 343 site is essential for maintaining physiological functions of CXCR4. BMC Mol and Cell Biol 22. 8 (2021).



WB (Western Blot)
Western blot analysis of 1)3T3. 2) Rat LiverTissue with PI3 Kinase P85? Mouse mAb diluted at 1:2,000.

ADDITIONAL INFORMATION

Related Product Information for anti-PI3 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-PI3 antibody	Primary Antibodies

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.

