Anti-PI3 Kinase p85 alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013028

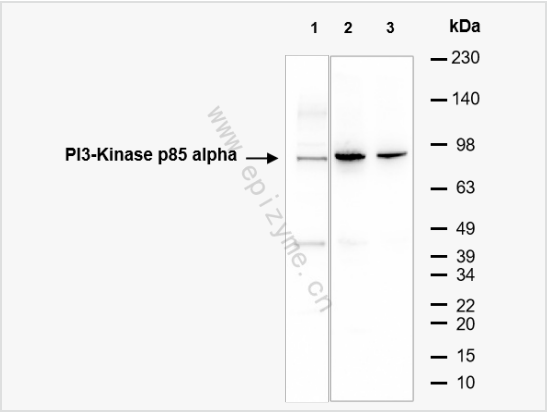
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	78L02M83
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human PI 3 Kinase p85 alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PI3 Kinase p85 alpha antibody [78L02M83] is for research use only and not for use in diagnostic or therapeutic procedures.

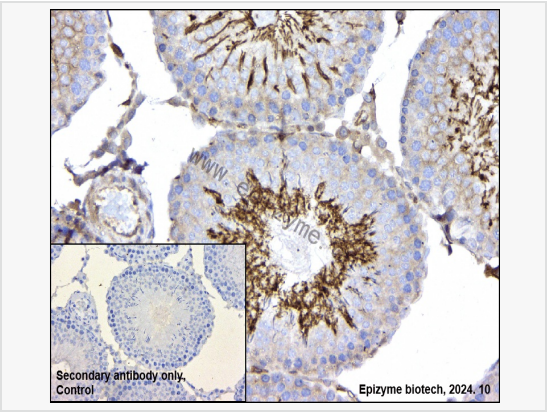
Protein Information

Synonyms	GRB1, p85 alpha, p85, P85A_HUMAN, Phosphatidylinositol 3 kinase associated p 85 alpha, Phosphatidylinositol 3 kinase regulatory 1, Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 1 (p85 alpha), Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha, Phosphatidylinositol 3-kinase regulatory subunit alpha, Phosphoinositide 3 kinase, regulatory subunit 1 (alpha), PI3 kinase p85, PI3 kinase p85 subunit alpha, PI3-kinase regulatory subunit alpha, PI3-kinase subunit p85-alpha, PI3K, PI3K p85, PI3K regulatory subunit alpha, Pik3r1, PtdIns 3 kinase p85 alpha, PtdIns-3-kinase regulatory subunit alpha, PtdIns-3-kinase regulatory subunit p85-alpha.
Calculated MW	Calculated MW: 84 kDa; Observed MW: 84 kDa
Uniprot ID	P27986
Gene ID	5295
Background	Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Plays an important role in signaling in response to FGFR1, FGFR2, FGFR3, FGFR4, KITLG/SCF, KIT, PDGFRA and PDGFRB. Likewise, plays a role in ITGB2 signaling.
Tissue Location	Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).

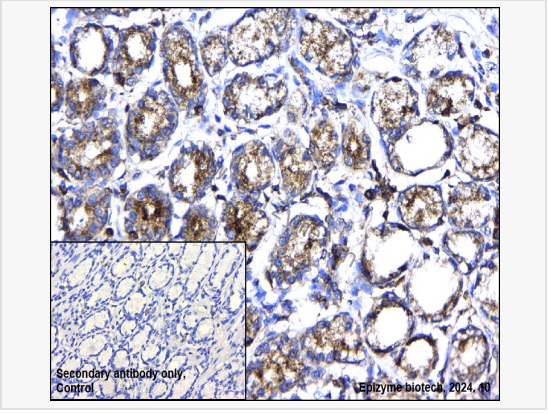
Validation Images



Western Blot - Anti-PI3 Kinase p85 alpha Rabbit mAb [78L02M83]
All lanes: R013028 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Mouse kidney whole tissue lysates
Lane 3: Mouse muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 84 kDa
Observed band size: 84 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PI3 Kinase p85 alpha Rabbit mAb [78L02M83]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013028 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-PI3 Kinase p85 alpha Rabbit mAb [78L02M83]
Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013028 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.