



Rabbit Anti-PI 3 Kinase p85 beta antibody

SL4160R

Product Name:	PI 3 Kinase p85 beta
Chinese Name:	磷脂酰肌醇激酶p85 β 抗体
Alias:	p85; p85 beta; p85-BETA; P85B; P85B_HUMAN; Phosphatidylinositol 3 kinase; Phosphatidylinositol 3 kinase regulatory beta subunit; Phosphatidylinositol 3 kinase regulatory subunit beta; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 2; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; phosphatidylinositol 3-kinase; Phosphatidylinositol 3-kinase regulatory beta subunit; Phosphatidylinositol 3-kinase regulatory subunit beta; Phosphoinositide 3 kinase regulatory subunit 2 (beta); Phosphoinositide 3 kinase regulatory subunit 2; Phosphoinositide 3 kinase regulatory subunit polypeptide 2 (p85 beta); Phosphoinositide 3 kinase regulatory subunit polypeptide 2; Phosphoinositide 3 kinase, regulatory subunit 2 (beta); PI3 kinase p85 beta subunit; PI3 kinase p85 subunit beta; PI3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta; PI3K; PI3K regulatory subunit beta; PIK3R 2; PIK3R2; polypeptide 2 (p85 beta); PtdIns 3 kinase p85 beta; PtdIns-3-kinase p85-beta; PtdIns-3-kinase regulatory subunit beta; PtdIns-3-kinase regulatory subunit p85-beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	82kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PI 3 Kinase p85 beta:361-460/722
Lsotype:	IgG
Purification:	affinity purified by Protein A

Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012]</p> <p>Function: Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane.</p> <p>Subunit: Heterodimer of a regulatory subunit PIK3R2 and a p110 catalytic subunit (PIK3CA, PIK3CB or PIK3CD). Interacts with AXL. Interacts with FLT1 (tyrosine-phosphorylated) and FLT4 (tyrosine-phosphorylated). Interacts with NYAP1, NYAP2 and MYO16.</p> <p>Post-translational modifications: Phosphorylated in response to signaling from activated receptor-type protein kinases. Dephosphorylated by PTPRJ.</p> <p>Similarity: Belongs to the PI3K p85 subunit family. Contains 1 Rho-GAP domain. Contains 2 SH2 domains. Contains 1 SH3 domain.</p> <p>SWISS: O00459</p> <p>Gene ID: 5296</p> <p>Database links: Entrez Gene: 5296 Human Entrez Gene: 18709 Mouse</p>

[Entrez Gene: 29741](#) Rat

[Omim: 603157](#) Human

[SwissProt: O00459](#) Human

[SwissProt: O08908](#) Mouse

[SwissProt: Q63788](#) Rat

[Unigene: 371344](#) Human

[Unigene: 12945](#) Mouse

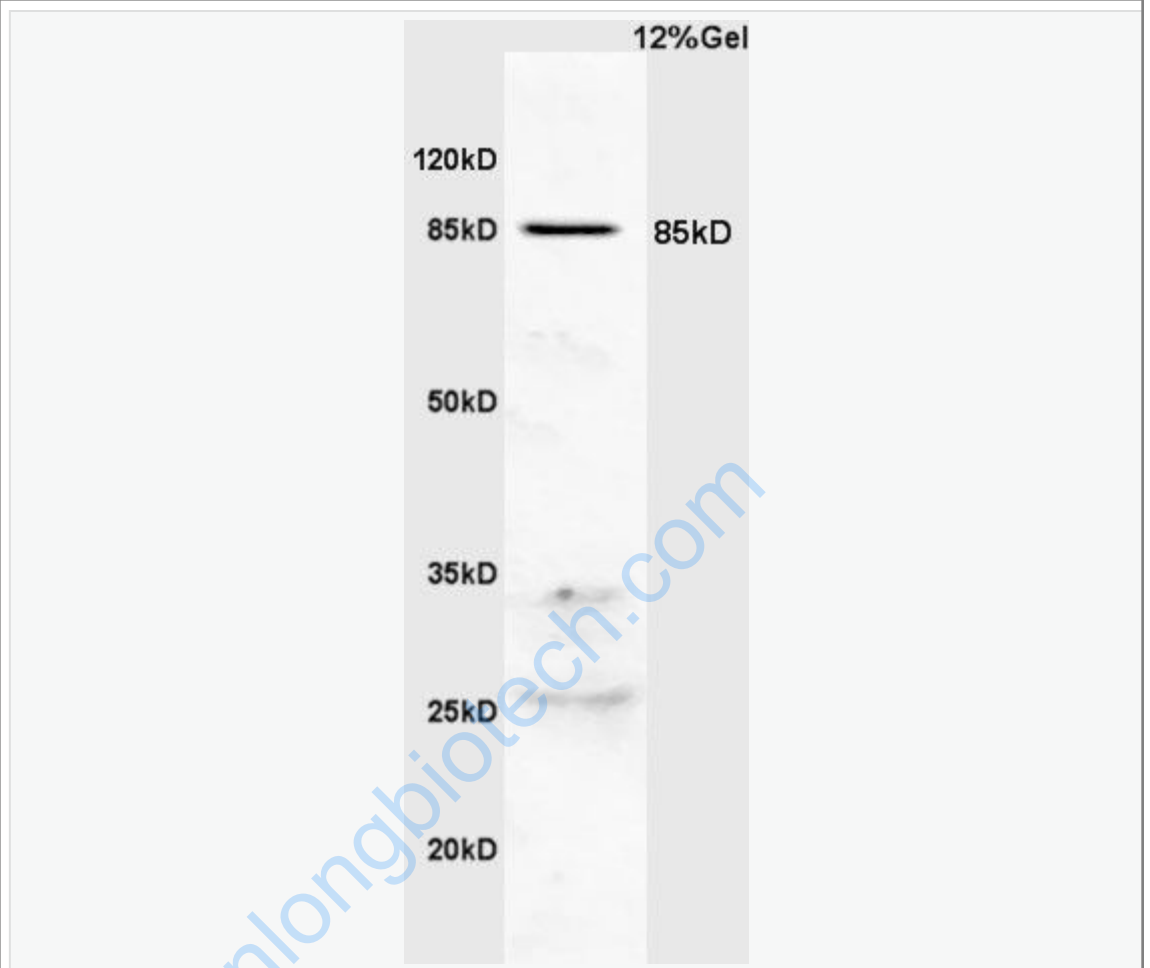
[Unigene: 22497](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



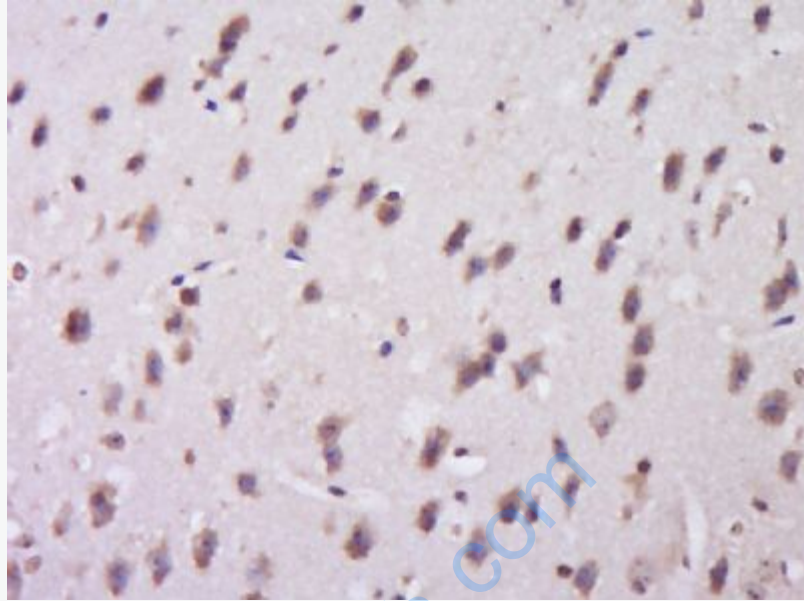
Sample: Colon carcinoma (Human) Lysate at 40 ug

Primary: Anti- PI 3 Kinase p85 beta (SL4160R) at 1/300 dilution

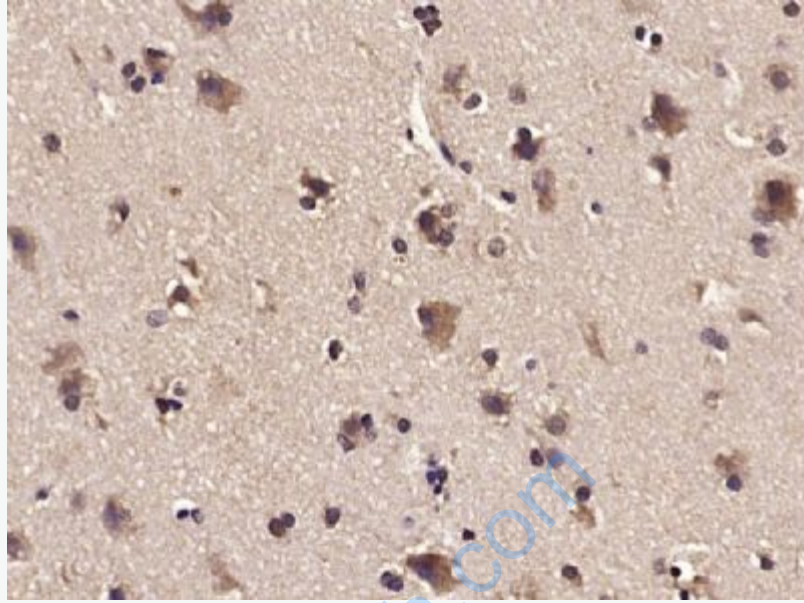
Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL4160R) at 1/5000 dilution

Predicted band size: 82 kD

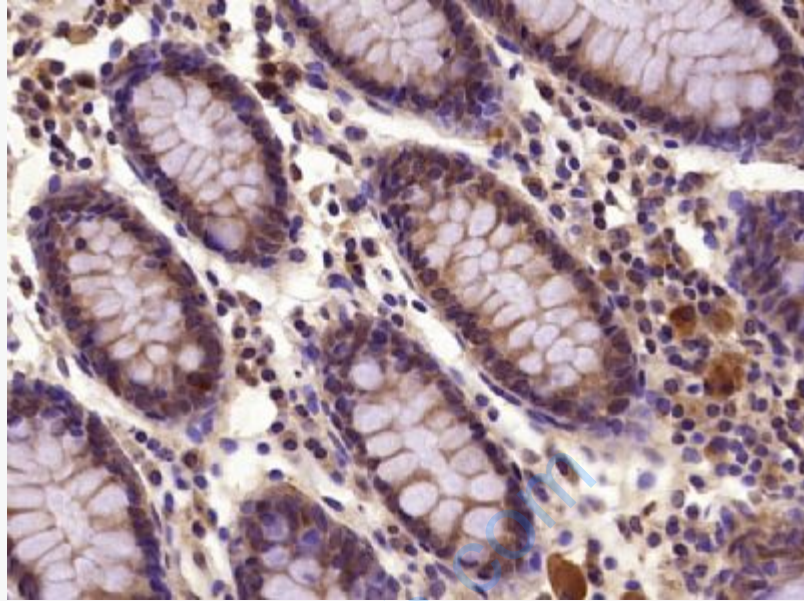
Observed band size: 85 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P85B) Polyclonal Antibody, Unconjugated (SL4160R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RT for 30min; Antibody incubation with (PIK3R2) Polyclonal/Monoclonal Antibody, Unconjugated (SL4160R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RT for 30min; Antibody incubation with (PIK3R2) Polyclonal/Monoclonal Antibody, Unconjugated (SL4160R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.