

## PI3-kinase p85- alpha (Phospho-Tyr607) Antibody

Catalog No: #12057



Package Size: #12057-1 50ul #12057-2 100ul

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## Description

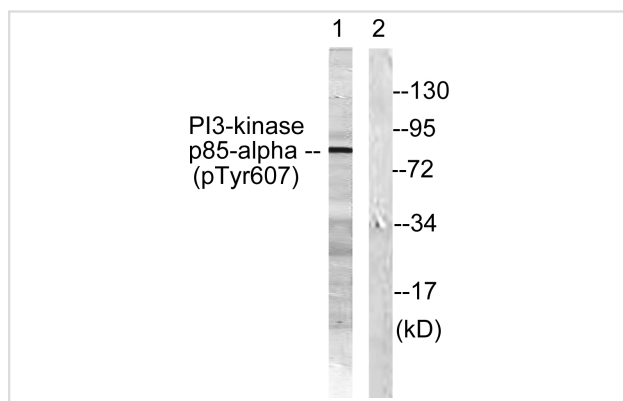
Product Name	PI3-kinase p85- alpha (Phospho-Tyr607) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB,IHC,IF,ELISA
Species Reactivity	Human,Mouse,Rat,Chicken
Specificity	The antibody detects endogenous level of PI3-kinase p85- alpha only when phosphorylated at Tyrosine 607.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine 607 (D-Q-Y(p)-S-L) derived from Human PI3-kinase p85-alpha.
Target Name	PI3-kinase p85- alpha
Modification	Phospho
Other Names	p85, AGM7, GRB1, p85-ALPHA, PIK3R1
Accession No.	Swiss-Prot#: P27986; NCBI Gene#: 5295; NCBI Protein#: NP_001229395.1
Uniprot	P27986
GeneID	5295;
SDS-PAGE MW	80kd
Concentration	0.6mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

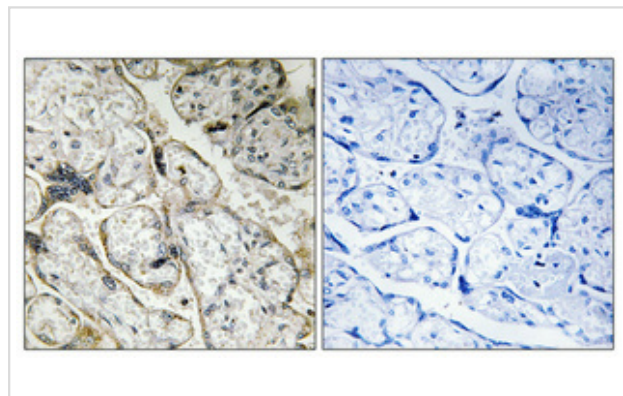
Predicted MW: 80kd

Western blotting: 1:200~1:500

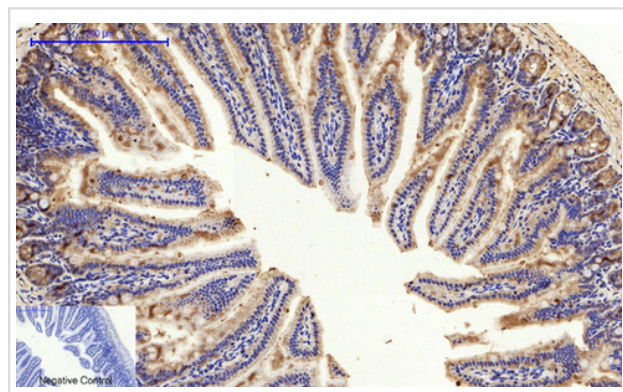
## Images



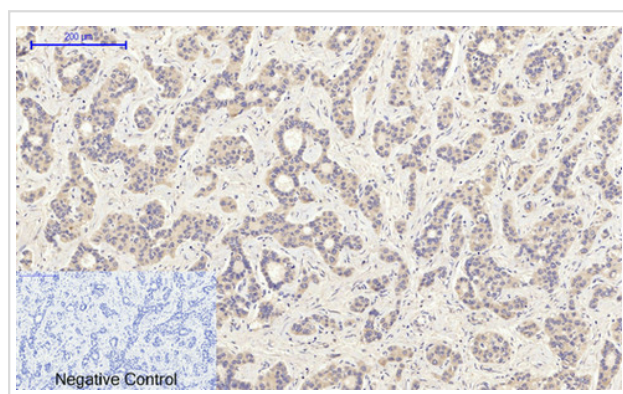
All Lanes: PI3-kinase p85- (Phospho-Tyr607) Antibody at 1/500 dilution. Lane1: Rat kidney tissue lysate Lane2: Rat kidney tissue lysate, Primary antibody blocked with the 1ug/mL phospho peptide at 37°C for 2h Lysates/ Proteins at 60ug per lane Secondary: Goat Anti-Rabbit IgG(HRP) at 1/20000 dilution 37°C 1h Predicted band size : 80kDa Observed band size: 80kDa



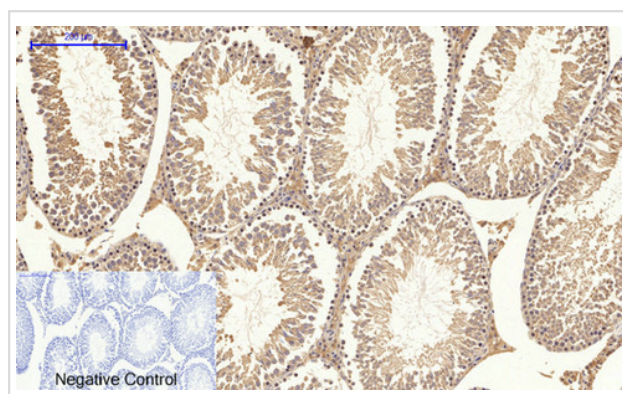
Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



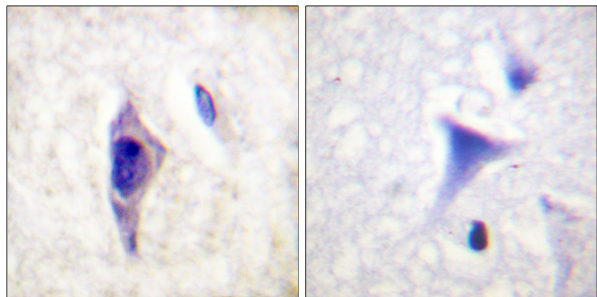
Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue. 1, PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1, PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1, PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded human brain, using PI3-kinase p85-alpha (Phospho-Tyr607) Antibody. The picture on the right is blocked with the phosphopeptide.

## 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.

Note: This product is for in vitro research use only