

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

Catalog No: #12057



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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

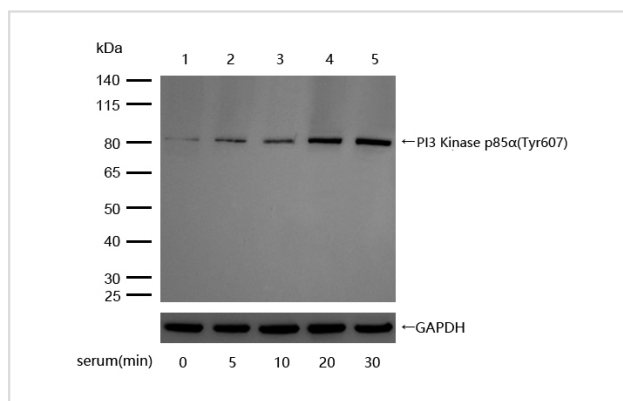
Product Name	PI3-kinase p85- alpha (Phospho-Tyr607) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB;IHC
Species Reactivity	Human;Mouse;Rat
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;
Calculated MW	84 kDa
SDS-PAGE MW	80 kDa
Concentration	0.6mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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 : Phospho-PI3 Kinase p85α(Tyr607) Rabbit
Polyclonal Antibody at 1/500 dilution

Lane 1 : MCF7 treated with serum starvation whole cell lysates
Lane 2 : MCF7 treated with serum for 5min whole cell lysates
Lane 3 : MCF7 treated with serum for 10min whole cell lysates
Lane 4 : MCF7 treated with serum for 20min whole cell lysates
Lane 5 : MCF7 treated with serum for 30min whole cell lysates

Lysates/proteins at 20 µg per lane.

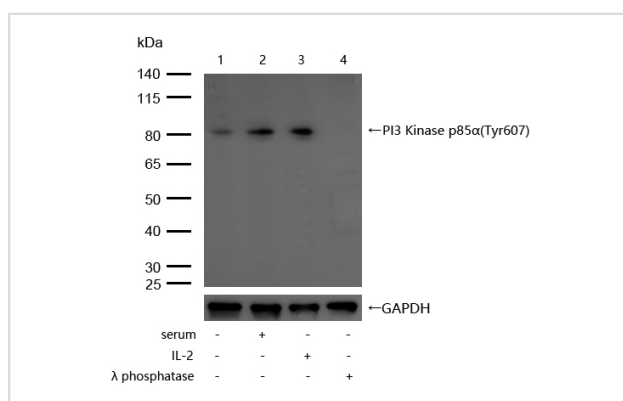
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 84 kDa

Observed band size: 80 kDa

Exposure time: 8 seconds



All lanes : Phospho-PI3 Kinase p85α(Tyr607) Rabbit
Polyclonal Antibody at 1/500 dilution

Lane 1 : MCF7 whole cell lysates
Lane 2 : MCF7 treated with serum for 30min whole cell lysates
Lane 3 : MCF7 treated with 50ng/ml IL-2 for 15min whole cell lysates
Lane 4 : MCF7 treated with Lambda Protein Phosphatase for 30min whole cell lysates

Lysates/proteins at 20 µg per lane.

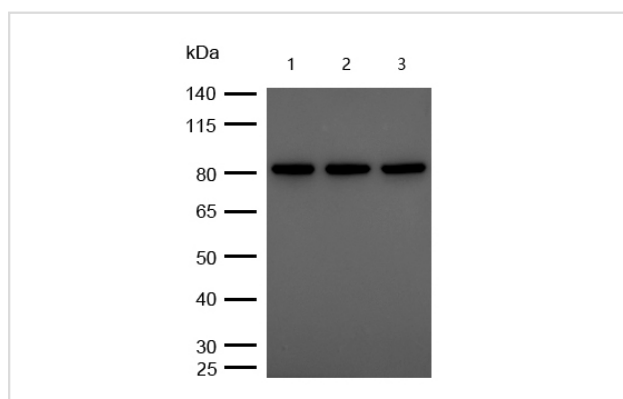
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 84 kDa

Observed band size: 80 kDa

Exposure time: 6 seconds



All lanes : Phospho-PI3 Kinase p85α(Tyr607) Rabbit
Polyclonal Antibody at 1/500 dilution

Lane 1 : 3T3 treated with 100ng/ml EGF for 20min whole cell lysates
Lane 2 : C6 treated with serum for 30min whole cell lysates
Lane 3 : PC12 treated with 100ng/ml EGF for 20min whole cell lysates

Lysates/proteins at 20 µg per lane.

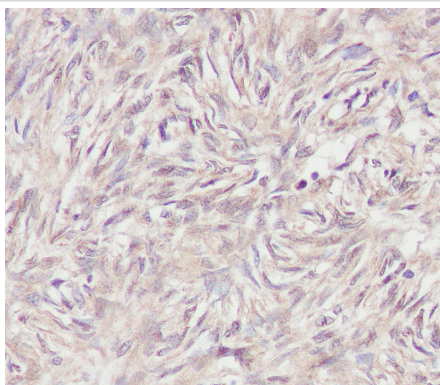
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

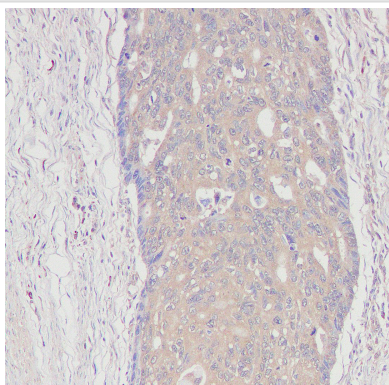
Predicted band size: 84 kDa

Observed band size: 80 kDa

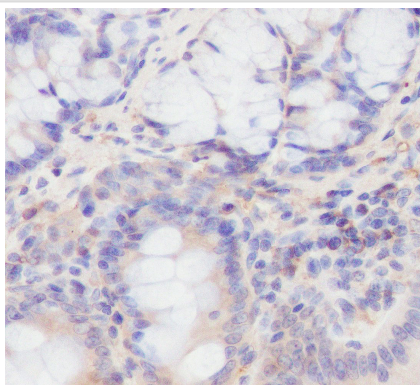
Exposure time: 6 seconds



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for Phospho-PI3 Kinase p85α(Tyr607) using 12057 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for Phospho-PI3 Kinase p85α(Tyr607) using 12057 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded rat colon tissue stained for Phospho-PI3 Kinase p85α(Tyr607) using 12057 at 1/100 dilution in immunohistochemical analysis.

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