

## PI 3 Kinase p55 gamma Rabbit mAb

Catalog No: #48645



Package Size: #48645-1 50ul #48645-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

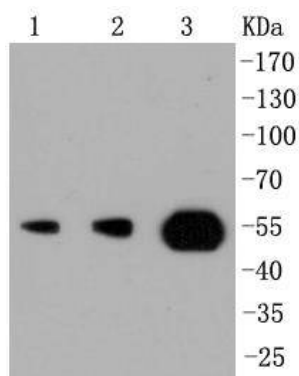
## Description

Product Name	PI 3 Kinase p55 gamma Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR44-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	DKFZp686P05226 antibody FLJ41892 antibody OTTHUMP00000009783 antibody OTTHUMP00000009786 antibody p55 antibody p55 gamma antibody P55G_HUMAN antibody p55PIK antibody Phosphatidylinositol 3 kinase regulatory subunit gamma antibody Phosphatidylinositol 3 kinase regulatory subunit polypeptide 3 antibody Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55, gamma) antibody Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma antibody Phosphatidylinositol 3-kinase regulatory subunit gamma antibody Phosphoinositide 3 kinase regulatory subunit 3 (gamma) antibody Phosphoinositide 3 kinase regulatory subunit 3 antibody Phosphoinositide 3 kinase regulatory subunit polypeptide 3 antibody Phosphoinositide 3 kinase, regulatory subunit 3 (p55, gamma) antibody Phosphoinositide 3 kinase, regulatory subunit, polypeptide 3 (p55, gamma) antibody PI3 kinase p85 subunit gamma antibody PI3-kinase regulatory subunit gamma antibody PI3-kinase subunit p55-gamma antibody PI3K regulatory subunit gamma antibody Pik3r3 antibody PtdIns 3 kinase p85 gamma antibody PtdIns-3-kinase regulatory subunit gamma antibody PtdIns-3-kinase regulatory subunit p55-gamma antibody
Accession No.	Swiss-Prot#:Q92569
Uniprot	Q92569
GeneID	8503;
Calculated MW	54 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:1,000-1:10,000 IHC: 1:200-1:500 ICC: 1:50-1:200

## Images



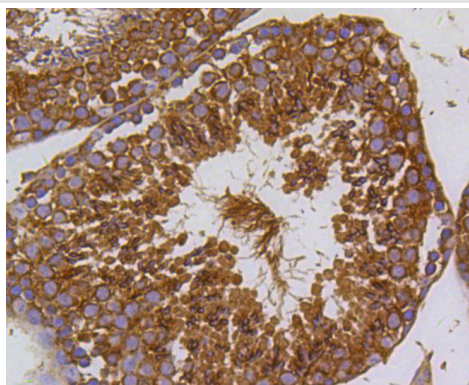
Western blot analysis of PI 3 Kinase p55  $\gamma$  on different lysates using anti-PI 3 Kinase p55  $\gamma$  antibody at 1/1,000 dilution.

Positive control:

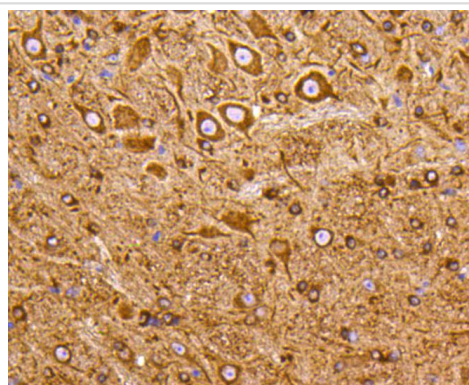
Lane 1: MCF-7

Lane 2: Jurkat

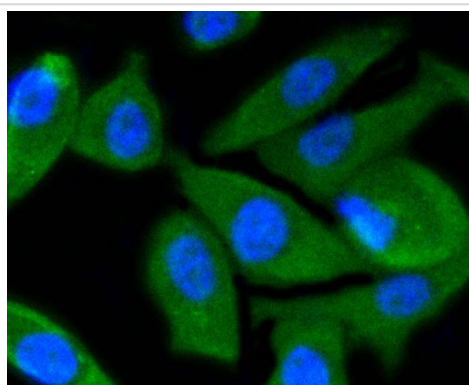
Lane 3: Mouse testis



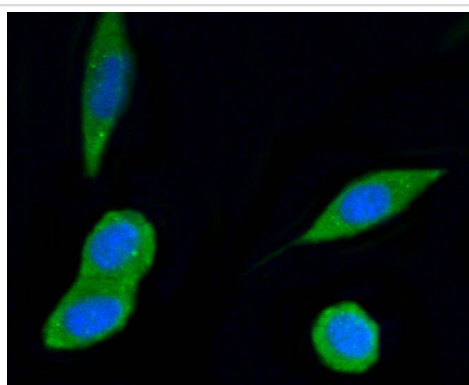
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PI 3 Kinase p55  $\gamma$  antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PI 3 Kinase p55  $\gamma$  antibody. Counter stained with hematoxylin.



ICC staining PI 3 Kinase p55  $\gamma$  in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PI 3 Kinase p55  $\gamma$  in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Phosphatidylinositol 3-kinase is a lipid kinase that phosphorylates the inositol ring of phosphatidylinositol and related compounds at the 3 position. PI 3-kinase p55 $\gamma$  (PIK3R3) is comprised of a catalytic subunit and a regulatory subunit. The human p55 $\gamma$  protein is composed of a rare amino terminal region followed by a proline-rich motif and two Src homology 2 (SH2) domains. PI 3-kinase p55 $\gamma$  mRNAs are expressed in most human fetal and adult tissues; predominant expression is observed in the adult testis. Splice variant(s) of PI 3-kinase p55 $\gamma$  have been identified; one of which has a deletion of 36 amino acids at the amino terminus and another which has an insertion of 59 amino acids at position 256 between the SH2 domains. Research suggests that PI 3-kinase p55 $\gamma$  interacts with the IGFIR (Insulin-like growth factor-I receptor) and IR (Insulin receptor) and may be involved in PI 3-kinase activation by these receptors.

## References

Note: This product is for in vitro research use only