

PI3KP85 α /P55 γ /P85 β Rabbit pAb

Catalog No.: A18355 **3 Publications**

Basic Information

Observed MW

55 kDa/85 kDa

Calculated MW

42-54 kDa/81-84 kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Phosphatidylinositol 3-kinase (PI3K) phosphorylates phosphatidylinositol and similar compounds, which then serve as second messengers in growth signaling pathways. PI3K is composed of a catalytic and a regulatory subunit. The protein encoded by this gene represents a regulatory subunit of PI3K. The encoded protein contains two SH2 domains through which it binds activated protein tyrosine kinases to regulate their activity.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

8503/5295/5296

Swiss Prot

P27986/O00459/Q92569

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

PIK3R1/PIK3R2/PIK3R3; PI3KP85 α /P55 γ /P85 β

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

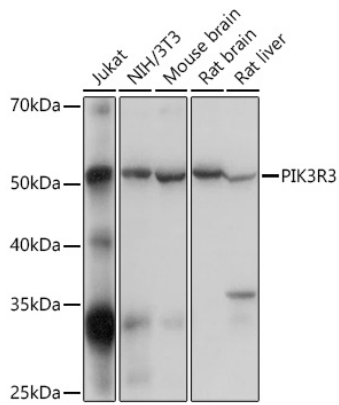
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using PIK3R1/PIK3R2/PIK3R3 Rabbit pAb (A18355) at 1:500 dilution.

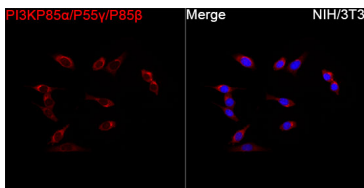
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of NIH/3T3 cells using PI3KP85α/P55γ/P85β Rabbit pAb (A18355) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.