bs-0128R **[Primary Antibody]**

PIK3R1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5295 **SWISS:** P27986

Target: PIK3R1

Immunogen: KLH conjugated synthetic peptide derived from human PI3 kinase p85 subunit alpha: 501-600/724.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

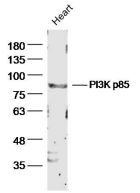
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted: Cow, Chicken, Dog, Horse)

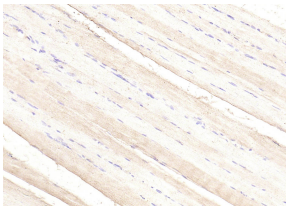
Predicted MW.: 80 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

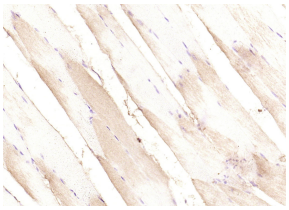
VALIDATION IMAGES



Sample: Heart (mouse) Lysate at 40 ug Primary: Anti- PI3K p85 (bs-0128R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80kD Observed band size: 85 kD



Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); 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 (PI 3 Kinase p85 alpha) Polyclonal Antibody, Unconjugated (bs-0128R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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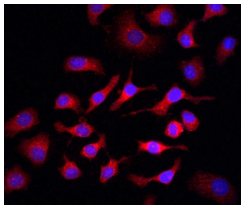
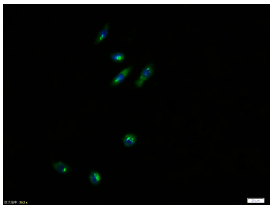
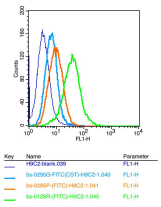


Tissue/cell: HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,



Tissue/cell: NIH/3T3 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,



Positive control: H9C2(2% Paraformaldehyde-fixed) Isotype Control Antibody Antibody: Rabbit IgG; Dilution: 1μg in 100 μl 1 X PBS containing

C-0005) at 37°C for 20 min; Antibody incubation with (PI3K p85) polyclonal Antibody, Unconjugated (bs-0128R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

C-0005) at 37°C for 20 min; Antibody incubation with (PI 3 Kinase p85 alpha) polyclonal Antibody, Unconjugated (bs-0128R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

0.5% BSA Secondary Antibody Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA Primary Antibody Supplier catalog number: bs-1297R; Dilution: 1μg in 100 μl 1X PBS containing 0.5% BSA

SELECTED CITATIONS

- **[IF=8.2]** Dating Pei. et al. Modulation of macrophage polarization by secondary cross-linked hyaluronan-dopamine hydrogels. INT J BIOL MACROMOL. 2024 Jun;270:132417 WB ;Mouse. 38759857
- **[IF=6.551]** Wei J et al. Endosulfan induces cardiotoxicity through apoptosis via unbalance of pro-survival and mitochondrial-mediated apoptotic pathways. Sci Total Environ . 2020 Jul 20;727:138790. WB ;human. 32344260
- **[IF=7.419]** Hong Kyu Lee. et al. TGF-β2 antisense oligonucleotide enhances T-cell mediated anti-tumor activities by IL-2 via attenuation of fibrotic reaction in a humanized mouse model of pancreatic ductal adenocarcinoma. BIOMED PHARMACOTHER. 2023 Mar;159:114212 WB ;Mouse. 36610224
- **[IF=5.614]** Zhu J et al. SPARC Promotes Self‐Renewal of Limbal Epithelial Stem Cells and Ocular Surface Restoration through JNK and p38‐MAPK Signaling Pathways. Stem Cells. 2019 Oct 23. WB ;Rabbit. 31644832
- **[IF=5.895]** Bendong Yang. et al. Naringenin Ameliorates Hyperuricemia by Regulating Renal Uric Acid Excretion via the PI3K/AKT Signaling Pathway and Renal Inflammation through the NF-κB Signaling Pathway. J AGR FOOD CHEM. 2022;XXXX(XXX):XXX-XXX WB ;Mouse, Human. 36525382