

bs-0128R**[Primary Antibody]****BioSS**
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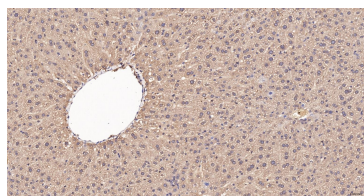
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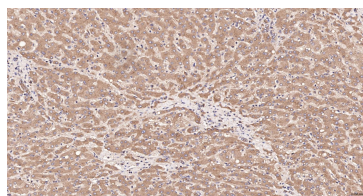
400-901-9800

PIK3R1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 5295	SWISS: P27986	IF (1:100-500)
Target: PIK3R1		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human PI3 kinase p85 subunit alpha: 501-600/724.		Predicted MW.: 80 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PIK3R1 Polyclonal Antibody, Unconjugated (bs-0128R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PIK3R1 Polyclonal Antibody, Unconjugated (bs-0128R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— 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=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=7.2]** Li Zhen. et al. Hypoglycemic effects of Goji tea in streptozotocin-induced diabetic mice via IRS1/PI3K/AKT/AMPK pathway. Journal of Future Foods. 2025 Jun;; WB ;Mouse. 10.1016/j.jfutfo.2025.01.005
- **[IF=6.551]** Wei J et al. Endosulfan induces cardiotoxicity through apoptosis via unbalance of pro-survival and

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- mitochondrial-mediated apoptotic pathways. Sci Total Environ . 2020 Jul 20;727:138790. WB ;human. 32344260
- **[IF=5.923]** Mingfa Ling. et al. VEGFB Promotes Myoblasts Proliferation and Differentiation through VEGFR1-PI3K/Akt Signaling Pathway. Int J Mol Sci. 2021 Jan;22(24):13352 WB ;Mouse. 34948148