

bs-5571R**[Primary Antibody]****phospho-PIK3R1 (Tyr467) Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/test)
Clonality: Polyclonal		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Horse)
GeneID: 5295	SWISS: P27986	Predicted MW.: 80 kDa
Target: phospho-PIK3R1 (Tyr467)		Subcellular Location: Cell membrane ,Cytoplasm Nucleus
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PIK3R1 around the phosphorylation site of Tyr467: RL(p-Y)EE.		
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.		

— SELECTED CITATIONS —

- **[IF=5.23]** Zhao, Yong, et al. "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." Scientific Reports 6 (2016): 37884. WB ;="Pig". 27883089
- **[IF=3.86]** Chu, Meiqiang, et al. "MicroRNA-126 participates in lipid metabolism in mammary epithelial cells." Molecular and Cellular Endocrinology (2017). WB ;="Human". 28599789
- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267