

**bs-4160R****[ Primary Antibody ]****PIK3R2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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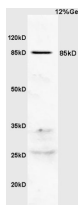
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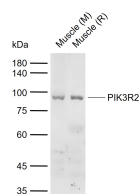
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5296**SWISS:** O00459**Target:** PIK3R2**Immunogen:** KLH conjugated synthetic peptide derived from human PI 3 Kinase p85 beta: 361-460/722.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

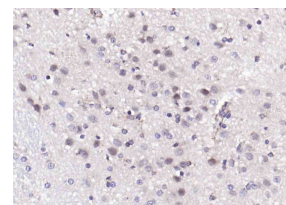
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat  
(predicted: Cow, Dog)**Predicted MW.:** 82 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

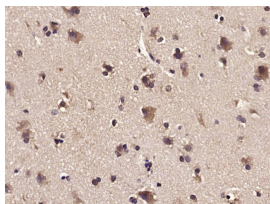
Sample: Colon carcinoma (Human) Lysate at 40 ug  
 Primary: Anti- PI 3 Kinase p85 beta (bs-4160R) at 1/300 dilution  
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution  
 Predicted band size: 82 kD  
 Observed band size: 85 kD



Sample: Lane 1: Mouse Muscle tissue lysates  
 Lane 2: Rat Muscle tissue lysates  
 Primary: Anti-PIK3R2 (bs-4160R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 82 kDa  
 Observed band size: 90 kDa



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (PIK3R2) Polyclonal Antibody, Unconjugated (bs-4160R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RT for 30min; Antibody incubation

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

with (PIK3R2) Polyclonal/MonoclonalAntibody,  
Unconjugated (bs-4160R) at 1:400 overnight at  
4°C,followed by conjugation to the secondary  
antibody (labeled with HRP)and DAB staining.

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## — SELECTED CITATIONS —

- **[IF=7.8]** Hongbo Ai. et al. Osteoclast-derived apoptotic bodies accelerate the pathological progression of osteoarthritis via disturbing subchondral bone remodeling. J ORTHOP TRANSL. 2025 Mar;51:108 WB ;Mouse. 40123999
- **[IF=3.895]** Yin H et al. T-2 Toxin Induces Oxidative Stress, Apoptosis and Cytoprotective Autophagy in Chicken Hepatocytes. Toxins (Basel). 2020 Jan 29;12(2). WB ;Chicken. 32013230