

bs-4181R**[Primary Antibody]****p53R2 Rabbit pAb****Bioss**
ANTIBODIES

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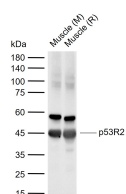
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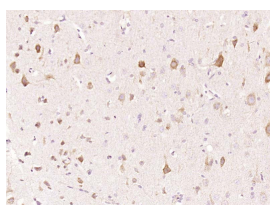
400-901-9800

— DATASHEET —

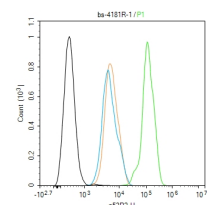
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow) Predicted MW.: 41 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 50484	SWISS: Q7LG56	
Target: p53R2		
Immunogen: KLH conjugated synthetic peptide derived from human p53R2/RRM2B: 131-230/351.		
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: This gene encodes the small subunit of a p53-inducible ribonucleotide reductase. This heterotetrameric enzyme catalyzes the conversion of ribonucleoside diphosphates to deoxyribonucleoside diphosphates. The product of this reaction is necessary for DNA synthesis. Mutations in this gene have been associated with autosomal recessive mitochondrial DNA depletion syndrome, autosomal dominant progressive external ophthalmoplegia-5, and mitochondrial neurogastrointestinal encephalopathy. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010].		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Muscle tissue lysates
Lane 2: Rat Muscle tissue lysates Primary: Anti-p53R2 (bs-4181R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kDa Observed band size: 45 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 (p53R2) Polyclonal Antibody, Unconjugated (bs-4181R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control (black line) :HeLa. Primary Antibody (green line): Rabbit Anti-p53R2 antibody (bs-4181R) Dilution:1ug/Test; Secondary Antibody (white/blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=8.022]** Qiao Jiang. et al. Pterostilbene antagonizes homocysteine-induced oxidative stress, apoptosis and lipid deposition in vascular endothelial cells. FOOD SCI HUM WELL. 2023 Sep;12:1683 WB ;Human.

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

10.1016/j.fshw.2023.02.029

- **[IF=2.2]** Zhufeng Tong. et al. Glycyrrhizin enhances the antitumor activity of cisplatin in non-small cell lung cancer cells by influencing DNA damage and apoptosis. ONCOL LETT. 2025 Apr;29(4):1-10 WB ;Human. 40070780
- **[IF=1.4]** Na Miao. et al. Overexpression of ZEB1 and YAP1 is related to poor prognosis in patients with gliomas with different IDH1 status. INT J CLIN EXP PATHO. 2023; 16(7): 138–149 IHC ;Human. 37559682