

**bs-1332R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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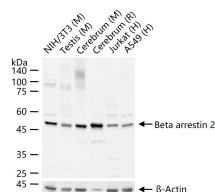
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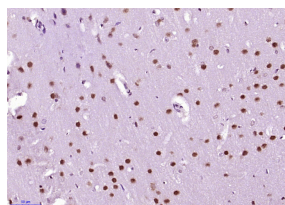
400-901-9800

**Beta arrestin 2 Rabbit pAb****DATASHEET**

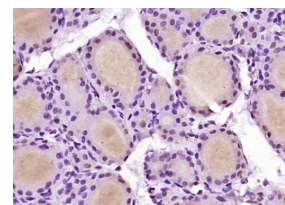
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, GuineaPig, Horse)  <b>Predicted MW.:</b> 45 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 409	<b>SWISS:</b> P32121	
<b>Target:</b> Beta arrestin 2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Beta-arrestin 2: 251-418/418.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Members of arrestin/beta arrestin protein family are thought to participate in agonist mediated desensitization of G protein coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors		

**VALIDATION IMAGES**

25 ug total protein per lane of various lysates (see on figure) probed with Beta arrestin 2 polyclonal antibody, unconjugated (bs-1332R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (Beta arrestin 2) Polyclonal Antibody, Unconjugated (bs-1332R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat thyroid gland tissue); 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 (Beta arrestin 2) Polyclonal Antibody, Unconjugated (bs-1332R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**SELECTED CITATIONS**

- **[IF=5.7]** Huifang Niu. et al. Molecular Mechanism of Pasteurized Akkermansia muciniphila in Alleviating Type 2 Diabetes Symptoms. J AGR FOOD CHEM. 2024;72(23):13083-13098 WB ;Mouse. 38829529
- **[IF=2.9]** Feng Gao. et al.  $\beta$ -arrestin2 promotes angiogenesis of liver sinusoidal endothelial cells through the VEGF/VEGFR2 pathway to aggravate cirrhosis. TOXICOL LETT. 2024 Nov;401:1 IHC ;Human. 39197505
- **[IF=1.06]** Fan, Heng, et al. "Role of  $\beta$ -adrenoceptor- $\beta$ -arrestin2-nuclear factor- $\kappa$ B signal transduction pathway and intervention effects of oxymatrine in ulcerative colitis."inese journal of integrative medicine 18.7 (2012): 514.oor WB,IHC ;Rat. 22772914

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