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

Beta arrestin 2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 409 **SWISS:** P32121

Target: Beta arrestin 2

Immunogen: KLH conjugated synthetic peptide derived from human Beta-arrestin 2: 251-418/418.

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: 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

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

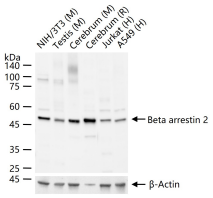
Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, GuineaPig, Horse)

Predicted MW.: 45 kDa

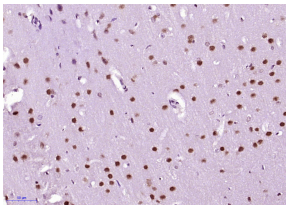
Observed MW.: 50 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

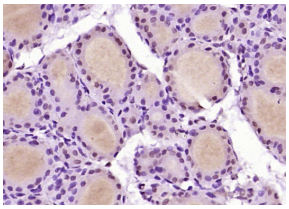
VALIDATION IMAGES



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) instructionsand 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) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=6.3]** Yi Zheng. et al. Melatonin Promotes the Synthesis and Secretion of Growth Hormone in the Adenohypophysis by Activating the cAMP/FOXO1 Pathway. J PINEAL RES. 2026 Mar;78(2):e70139 WB ;Bovine. 41870323
- **[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. β-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 β2-adrenoceptor-β-arrestin2-nuclear factor-κB signal transduction pathway and

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intervention effects of oxymatrine in ulcerative colitis. CHIN J INTEGR MED. 2012 Jul;18(7):514-521 WB,IHC ;="Rat". 22772914

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