

## Beta arrestin 2 Rabbit pAb

Catalog Number: bs-1332R

Target Protein: Beta arrestin 2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 409

Swiss Prot: P32121

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

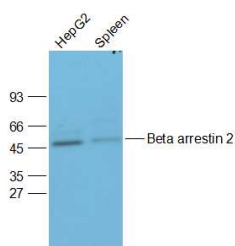
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

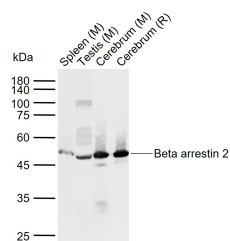
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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

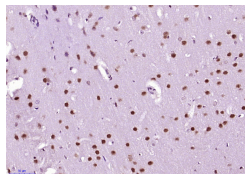
### VALIDATION IMAGES



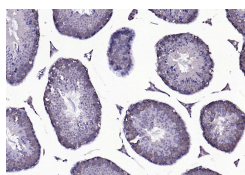
Sample: HepG2(Human) Cell Lysate at 30 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti-Beta arrestin 2 (bs-1332R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 46 kD



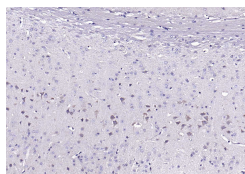
Sample: Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Cerebrum tissue lysates Primary: Anti-Beta arrestin 2 (bs-1332R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kDa Observed band size: 48 kDa



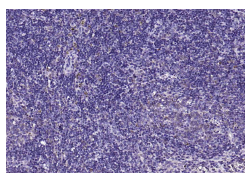
Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Beta arrestin 2) 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 (mouse testis); 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 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (Beta arrestin 2) Polyclonal Antibody, Unconjugated (bs-1332R) 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 (mouse spleen); 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 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[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  $\alpha$ 2-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