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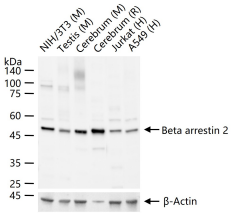
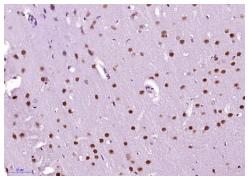
Beta arrestin 2 Rabbit pAb

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
Subcellular Locations:	Cell membrane ,Cytoplasm ,Nucleus
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

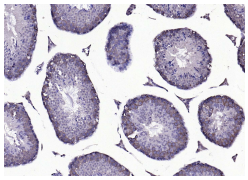
VALIDATION IMAGES



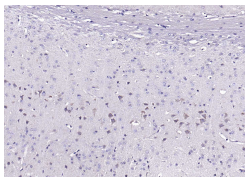
25 ug total protein per lane of various lysates (see on figure) probed with Beta arrestin 2 polyclonal antibody, unconjugated (bs-1332R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



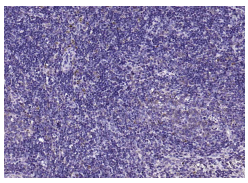
Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Beta arrestin 2) 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.



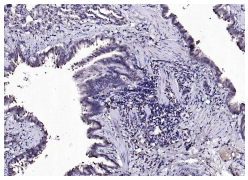
Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Beta arrestin 2) Polyclonal Antibody, Unconjugated (bs-1332R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand 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) instructionsand 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) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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) instructionsand 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. 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 ??2-adrenoceptor-??-arrestin2-nuclear factor-??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