bs-1062R

[Primary Antibody]

ADRA2 Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

- DATASHEET		400-901-9800
Host: Rabbit	lsotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500) IF (1:100-500)
GeneID: 150	SWISS: P08913	
Target: ADRA2		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow)
Immunogen: KLH conjugated sy 385-450/450. < Cyt	nthetic peptide derived from human ADRA2: oplasmic >	
Purification: affinity purified by Protein A		Predicted 50 kDa
Concentration: 1mg/ml		MW.: 55 KB4
 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. 		Subcellular Location: Cell membrane
Background: Alpha-2-adrenergi coupled receptor s subtypes: alpha 2A critical role in regu sympathetic nerve nervous system. S and alpha 2C subt control of transmit and from central n inhibited transmit whereas the alpha lower levels of ner and it contains no sequences. [provio	c receptors are members of the G protein- superfamily. They include 3 highly homologou A, alpha 2B, and alpha 2C. These receptors have lating neurotransmitter release from is and from adrenergic neurons in the central tudies in mouse revealed that both the alpha ypes were required for normal presynaptic tter release from sympathetic nerves in the he oradrenergic neurons; the alpha 2A subtype ter release at high stimulation frequencies, 2C subtype modulated neurotransmission at we activity. This gene encodes alpha 2A subtype introns in either its coding or untranslated ded by RefSeq].	2A eart pe

VALIDATION IMAGES



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 (ADRA2) Polyclonal Antibody, Unconjugated (bs-1062R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ($0.01 \text{M}, \text{pH}\,6.0$), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ADRA2 Polyclonal Antibody, Unconjugated(bs-1062R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

- SELECTED CITATIONS -

• [IF=3.197] Shunsuke Kawanabe. et al. Upregulations of α1 adrenergic receptors and noradrenaline synthases in the medial prefrontal cortex are associated with emotional and cognitive dysregulation induced by post-weaning social isolation in male rats. NEUROSCI LETT. 2023 Feb;797:137071 WB ;Rat. 36642239

- [IF=2.388] Sun Y et al. Changes in TRPV1 expression in the POA of ovariectomized rats regulated by NE-dependent α2-ADR may be involved in hot flashes. Ann Anat. 2020 Nov;232:151565. IHC ;Rat. 32603826
- **[IF=2.388]** Yanrong Sunet al. Changes in TRPV1 expression in the POA of ovariectomized rats regulated by NEdependent α2-ADR may be involved in hot flashes. Ann Anat . 2020 Nov;232:151565. WB ;rat. 32603826
- [IF=2.2] Zhang Xia-wei. et al. Dexmedetomidine modulates neuronal activity of horizontal limbs of diagonal band via α2 adrenergic receptor in mice. BMC ANESTHESIOL. 2023 Dec;23(1):1-9 IHC ;MOUSE. 37784079