

ADRA2A Polyclonal Antibody

Catalog No.	A2809	Category	Polyclonal Antibodies
Applications	WB	Observed MW	49kDa
Cross-reactivity	Human, Mouse	Calculated MW	48kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 240-380 of human ADRA2A (NP_000672.3).
Gene ID	150
Swiss prot	P08913
Synonyms	ADRA2A; ADRA2; ADRA2R; ADRAR; ALPHA2AAR; ZNF32 ; adrenoceptor alpha 2A

Product information

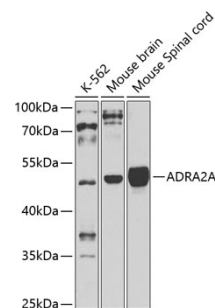
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Studies in mouse revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons; the alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes alpha2A subtype and it contains no introns in either its coding or untranslated sequences.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - ADRA2A Polyclonal Antibody (A2809)