

ADRB1 Rabbit pAb

Catalog No.: A16334

Basic Information

Observed MW

51kDa

Calculated MW

51kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Mouse, Rat

Background

The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Beta-1 adrenoceptors are predominately located in the heart. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

153

Swiss Prot

P08588

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human ADRB1 (NP_000675.1).

Synonyms

RHR; B1AR; FNSS2; ADRB1R; BETA1AR; ADRB1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

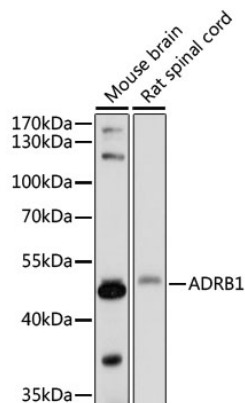
Affinity purification

Storage

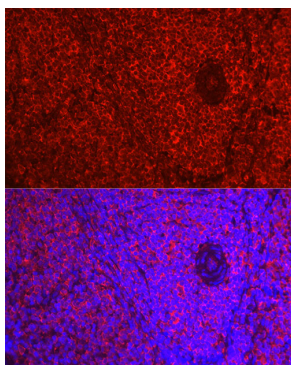
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using ADRB1 Rabbit pAb (A16334) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence analysis of paraffin-embedded Rat spleen using ADRB1 Rabbit pAb (A16334) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.