

Anti-ADRB2 Antibody (N-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17771**Specification**

Anti-ADRB2 Antibody (N-Terminus) - Product Information

Application	IHC-P
Primary Accession	P07550
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46459
Dilution	IHC-P~~N/A

Anti-ADRB2 Antibody (N-Terminus) - Additional Information**Gene ID 154**Alias Symbol **ADRB2****Other Names**

ADRB2, ADRB2R, Adrenoceptor beta 2, surface, ADRBR, B2AR, Beta-2 adrenoceptor, Beta-2 adrenergic receptor, Beta-2 adrenoreceptor, BETA2AR, BAR, Adrenergic beta-2 receptor, Catecholamine receptor

Target/Specificity

Human ADRB2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-ADRB2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ADRB2 Antibody (N-Terminus) - Protein Information**Name** ADRB2 ([HGNC:286](#))**Synonyms** ADRB2R, B2AR**Function**

G protein-coupled receptor for catecholamines that couples to both G(s) and G(i) proteins, activating bifurcated signaling pathways (PubMed:2831218, PubMed:7915137). ADRB2 binds epinephrine (Epi) with an approximately 30-fold greater affinity than norepinephrine (NE) (PubMed:2831218),

PubMed:33093660, PubMed:7915137). In the heart, Epi- and NE-activated ADRB2 induces rapid and slow cardiomyocyte contraction rate, respectively (By similarity). Both NE and Epi promote coupling to G(s)/PKA pathway to regulate myocyte contraction rate (By similarity). Epi also promotes ADRB2 coupling to G(i) proteins to exert cardioprotective effects especially in the conditions of hypoxia and oxidative stress through the G(i)/PI3K/Akt signaling pathway (By similarity). ADRB2-G(s) signaling delivers proapoptotic signals in cardiomyocytes although G(i)-mediated survival effect appears to predominate (By similarity). ADRB2 also transduces signals independently of PKA to regulate cellular pH by modulating Na(+)/H(+) exchanger SLC9A3 function (PubMed:9560162).

Cellular Location

Cell membrane; Multi-pass membrane protein. Golgi apparatus. Note=Colocalizes with VHL at the cell membrane (PubMed:19584355). Activated receptors are internalized into endosomes prior to their degradation in lysosomes (PubMed:20559325). Activated receptors are also detected within the Golgi apparatus (PubMed:27481942).

Anti-ADRB2 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ADRB2 Antibody (N-Terminus) - Images