

AP13973PU-N**Polyclonal Antibody to Beta-2 adrenergic receptor - Aff - Purified****Alternate names:**

ADRB2, ADRB2R, B2AR, Beta-2 adrenoreceptor

Quantity:

0.4 ml

Concentration:

lot specific

Background:

ADRB2, beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This protein is intronless.

Uniprot ID:[P07550](#)**NCBI:**[9606](#)**GeneID:**[154](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S364 of human BAR2.

Format:**State:** Liquid Ig fraction**Purification:** Protein A column, followed by peptide affinity purification.**Buffer System:** PBS with 0.09% (W/V) sodium azide**Applications:**

ELISA 1:1,000.

Western blot 1:50 - 1:100.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects ADRB2.

Species: Human.

Other species not tested.

Add. Information:

Molecular weight: 46557 Da

Storage:

Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Kobilka B.K., Dixon R.A.F. Proc. Natl. Acad. Sci. U.S.A. 84:46-50(1987).
2. Emorine L.J., Marullo S. Proc. Natl. Acad. Sci. U.S.A. 84:6995-6999(1987).
3. Kobilka B.K., Frielle T.J. Biol. Chem. 262:7321-7327(1987).

Pictures:

Western blot analysis of anti-ADRB2 Antibody (AP13973PU-N) in NCI-H460 cell line lysates (35µg/lane). ADRB2 (arrow) was detected using the purified Pab.

NCI-H460

95
72
55
36
28
17