

## Product datasheet for **AP13972PU-N**

### beta 2 Adrenergic Receptor (ADRB2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1,000. <b>Western blot:</b> 1/1,000. <b>Immunohistochemistry on Paraffin sections:</b> 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to 236-264 amino acid residues surrounding S261 of human BAR2.
Specificity:	This antibody detects BAR2.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adrenoceptor beta 2
Database Link:	<a href="#">Entrez Gene 154 Human P07550</a>



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**Background:**

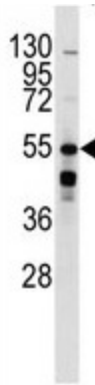
Beta-2-adrenergic receptor is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, 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.

**Synonyms:**

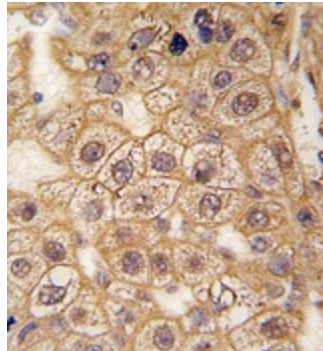
ADRB2, ADRB2R, B2AR, Beta-2 adrenoceptor

**Note:**

Molecular weight: 46459 Da

**Product images:**

Western blot analysis of anti-BAR2 Antibody in mouse kidney lysates (35 ug/lane). BAR2 (arrow) was detected using the purified Pab (1:60 dilution).



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with BAR2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.