

**Phospho-BAR2(S261) Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3548a**

**Specification**

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**Phospho-BAR2(S261) Antibody - Product Information**

Application	WB, DB,E
Primary Accession	<a href="#">P07550</a>
Other Accession	<a href="#">NP_000015</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46459

**Phospho-BAR2(S261) Antibody - Additional Information**

**Gene ID** 154

**Other Names**

Beta-2 adrenergic receptor, Beta-2 adrenoreceptor, Beta-2 adrenoceptor, ADRB2, ADRB2R, B2AR

**Target/Specificity**

This BAR2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S261 of human BAR2.

**Dilution**

WB~~1:1000

DB~~1:500

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Phospho-BAR2(S261) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Phospho-BAR2(S261) Antibody - Protein Information**

**Name** ADRB2

**Synonyms** ADRB2R, B2AR

**Function** Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylyl cyclase through the action of G proteins. The beta-2-adrenergic receptor binds epinephrine with an approximately 30- fold greater affinity than it does norepinephrine.

#### **Cellular Location**

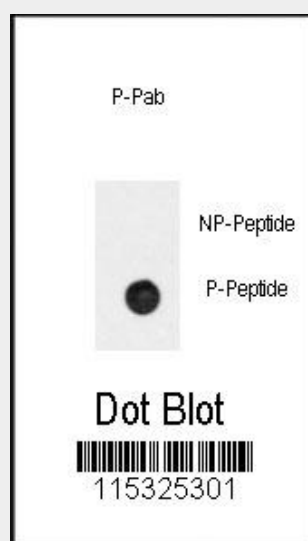
Cell membrane; Multi-pass membrane protein. Early endosome. Golgi apparatus. Note=Colocalizes with VHL at the cell membrane (PubMed:19584355). Activated receptors are internalized into endosomes prior to their degradation in lysosomes (PubMed:20559325) Activated receptors are also detected within the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

### **Phospho-BAR2(S261) Antibody - 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](#)

### **Phospho-BAR2(S261) Antibody - Images**



Dot blot analysis of anti-Phospho-BAR2-pS261 Antibody (Cat.#AP3548a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

### **Phospho-BAR2(S261) Antibody - 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.

### **Phospho-BAR2(S261) Antibody - References**

Wolfarth,B., Metab. Clin. Exp. 56 (12), 1649-1651 (2007)  
Cherezov,V., Science 318 (5854), 1258-1265 (2007)