

**ADRA2C Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14582B****Specification**

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**ADRA2C Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P18825</a>
Other Accession	<a href="#">P22086</a> , <a href="#">Q01337</a> , <a href="#">NP_000674.2</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	354-382

**ADRA2C Antibody (C-term) - Additional Information****Gene ID** 152**Other Names**

Alpha-2C adrenergic receptor, Alpha-2 adrenergic receptor subtype C4, Alpha-2C adrenoreceptor, Alpha-2C adrenoceptor, Alpha-2CAR, ADRA2C, ADRA2L2, ADRA2RL2

**Target/Specificity**

This ADRA2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 354-382 amino acids from the C-terminal region of human ADRA2C.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**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**

ADRA2C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADRA2C Antibody (C-term) - Protein Information****Name** ADRA2C

**Synonyms** ADRA2L2, ADRA2RL2

**Function** Alpha-2 adrenergic receptors mediate the catecholamine- induced inhibition of adenylate cyclase through the action of G proteins.

**Cellular Location**

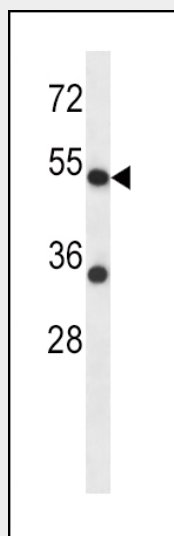
Cell membrane; Multi-pass membrane protein.

**ADRA2C Antibody (C-term) - Protocols**

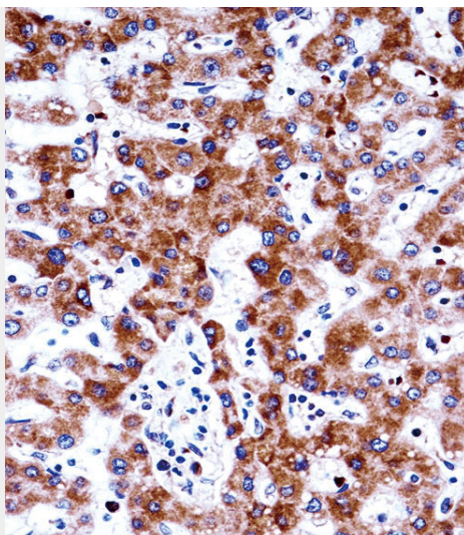
Provided below are standard protocols that you may find useful for product applications.

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

**ADRA2C Antibody (C-term) - Images**



ADRA2C Antibody (C-term) (Cat. #AP14582b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ADRA2C antibody detected the ADRA2C protein (arrow).



ADRA2C Antibody (C-term) (AP14582b) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ADRA2C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ADRA2C Antibody (C-term) - Background**

Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. The mouse studies revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons. The alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences.

#### **ADRA2C Antibody (C-term) - References**

Chen, Q.J., et al. Clin. Biochem. 43(15):1201-1204(2010)  
Maqbool, A., et al. J. Hypertens. 28(10):2084-2093(2010)  
Saus, E., et al. J Psychiatr Res 44(14):971-978(2010)  
Gao, Y., et al. Ophthalmology (2010) In press :  
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