

Rabbit ADRA2C Polyclonal Antibody | anti-ADRA2C antibody

ADRA2C Antibody (C-term)

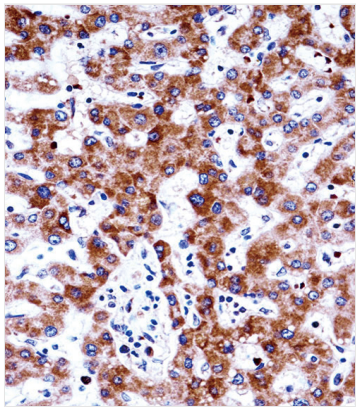
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286483	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

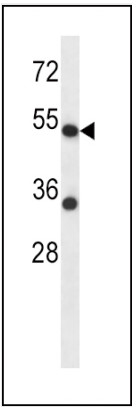
ADRA2C; Polyclonal Antibody; ADRA2C Antibody (C-term); Alpha-2C adrenergic receptor; Alpha-2 adrenergic receptor subtype C4; Alpha-2C adrenoreceptor; Alpha-2C adrenoceptor; Alpha-2CAR; ADRA2L2; ADRA2RL2; anti-ADRA2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	354-382
Sequence Length	462
Applicable Applications for anti-ADRA2C antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
ADRA2C Antibody (C-term) (AAA286483)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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-ADRA2C antibody	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.
Product Categories/Family for anti-ADRA2C antibody	Neuroscience; Signal Transduction; GPCR Antibodies
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 : Montgomery, M.D., et al. Br. J. Pharmacol. 159(4):820-830(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71773208
NCBI GeneID	152
NCBI Accession #	NP_000674.2
NCBI GenBank Nucleotide #	NM_000683.3
UniProt Accession #	P18825; P35369; Q9HB49
Molecular Weight	49522
NCBI Official Full Name	alpha-2C adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2C

NCBI Official Symbol	ADRA2C
NCBI Official Synonym Symbols	ADRA2L2; ADRARL2; ADRA2RL2; ALPHA2CAR
NCBI Protein Information	alpha-2C adrenergic receptor
UniProt Protein Name	Alpha-2C adrenergic receptor
UniProt Gene Name	ADRA2C
UniProt Synonym Gene Names	ADRA2L2; ADRA2RL2; Alpha-2C adrenoceptor; Alpha-2CAR
UniProt Entry Name	ADA2C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/adra2c-antibody-immunohistochemistry-western-blot-elisa/286483>