

Rabbit ADRA1A Polyclonal Antibody | anti-ADRA1A antibody

ADRA1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325469	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ADRA1A; Polyclonal Antibody; ADRA1A Antibody; ADA1A_HUMAN; Adra1c; ADRA1L1; Adrenergic alpha1A receptor; Adrenergic alpha1C receptor; Adrenergic receptor alpha 1a; Adrenergic receptor alpha 1c; Adrenergic; alpha 1A; receptor variant 1; receptor variant 11; receptor variant 3; receptor variant 5; receptor variant 8; Adrenoceptor alpha 1A; Alpha 1A adrenoceptor; Alpha 1C adrenergic receptor; Alpha-1A adrenergic receptor; Alpha-1A adrenoceptor; Alpha-1A adrenoceptor; Alpha-1C adrenergic receptor; Alpha-adrenergic receptor 1c; Alpha1A adrenergic receptor; ALPHA1AAR; G protein coupled receptor; anti-ADRA1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADRA1A antibody detects endogenous levels of total ADRA1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	466
Applicable Applications for anti-ADRA1A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed in heart, brain, liver and prostate, but not in kidney, lung, adrenal, aorta and pituitary. Within the prostate, expressed in the apex, base, periurethral and lateral lobe. Isoform 4 is the most abundant isoform expressed in the prostate with high levels also detected in liver and heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (86%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325469 staining IOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ADRA1A Antibody expression in mouse kidney tissue lysates. The lane on the right is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325469 staining HEPG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ADRA1A antibody

Function: This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. Nuclear ADRA1A-ADRA1B heterooligomers regulate phenylephrine(PE)-stimulated ERK signaling in cardiac myocytes. Subunit Structure: Homo-and heterooligomer. Heterooligomerizes with ADRA1B homooligomers in cardiac myocytes (PubMed:22120526). Interacts with CAVIN4 (PubMed:24567387). Post-translational Modifications: C-terminal Ser or Thr residues may be phosphorylated. Similarity: Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRA1A sub-subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	111118992
NCBI GeneID	148
NCBI Accession #	NP_000671.2
NCBI GenBank Nucleotide #	NM_000680.3
UniProt Accession #	P35348; O60451; Q13675; Q13729; A8K0I3; B0ZBD1; B0ZBD2; B0ZBD4; B0ZBD5; B0ZBD6; B0ZBD8; B0ZBD9
Molecular Weight	Observed: 51 kD Predicted: 52 kDa
NCBI Official Full Name	alpha-1A adrenergic receptor isoform 1
NCBI Official Synonym Full Names	adrenoceptor alpha 1A
NCBI Official Symbol	ADRA1A
NCBI Official Synonym Symbols	ADRA1C; ADRA1L1; ALPHA1AAR
NCBI Protein Information	alpha-1A adrenergic receptor
UniProt Protein Name	Alpha-1A adrenergic receptor
UniProt Gene Name	ADRA1A
UniProt Synonym Gene Names	ADRA1C; Alpha-1A adrenoceptor

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/adra1a-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325469>