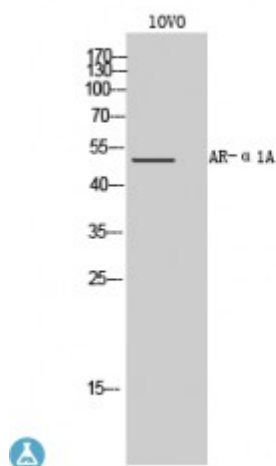


Anti-AR-alpha A antibody



Description	Rabbit polyclonal to AR-alpha1A.
Model	STJ91720
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human AR-alpha1A
Immunogen Region	310-390 aa, C-terminal
Gene ID	148
Gene Symbol	ADRA1A
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	AR-alpha1A Polyclonal Antibody detects endogenous levels of AR-alpha1A protein.
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Alpha-1A adrenergic receptor Alpha-1A adrenoreceptor Alpha-1A adrenoceptor Alpha-1C adrenergic receptor Alpha-adrenergic receptor 1c

Molecular Weight	51 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:277OMIM:104221
Alternative Names	Alpha-1A adrenergic receptor Alpha-1A adrenoreceptor Alpha-1A adrenoceptor Alpha-1C adrenergic receptor Alpha-adrenergic receptor 1c
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.
Cellular Localization	Nucleus membrane. Multi-pass membrane protein. Cell membrane Cytoplasm Membrane, caveola. Location at the nuclear membrane facilitates heterooligomerization and regulates ERK-mediated signaling in cardiac myocytes. Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes.
Post-translational Modifications	C-terminal Ser or Thr residues may be phosphorylated.

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