CHRNA1 rabbit monoclonal antibody

Catalog # H00001134-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CHRNA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CHRNA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CHRNA1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — CHRNA1

Entrez GeneID	1134
GeneBank Accession#	CHRNA1
Gene Name	CHRNA1
Gene Alias	ACHRA, ACHRD, CHRNA, CMS2A, FCCMS, SCCMS
Gene Description	cholinergic receptor, nicotinic, alpha 1 (muscle)
Omim ID	100690 601462 608930
Gene Ontology	Hyperlink
Gene Summary	The muscle acetylcholine receptor consiststs of 5 subunits of 4 different types: 2 alpha isoforms a nd 1 each of beta, gamma, and delta subunits.2 This gene encodes an alpha subunit that plays a r ole in acetlycholine binding/channel gating. Alternatively spliced transcript variants encoding differ ent isoforms have been identified. [provided by RefSeq
Other Designations	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)|nicotinic acetylcholine receptor alpha subunit|nicotinic cholinergic receptor alpha 1

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lung Neoplasms
- Mental Disorders
- Obesity
- Ovarian Failure

- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder