

Human Neuronal acetylcholine receptor subunit alpha-3 (CHRNA3) ELISA Kit

Catalog No: #EK11640

Orders: order@signalwayantibody.com

Package Size: #EK11640-1 48T #EK11640-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Neuronal acetylcholine receptor subunit alpha-3 (CHRNA3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LNCR2; MGC104879; NACHRA3; PAOD2; cholinergic receptor; nicotinic; alpha polypeptide 3 neuronal nicotinic acetylcholine receptor; alpha3 subunit
Accession No.	Q07263
Uniprot	Q07263
GeneID	282702;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.107 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CHRNA3 in samples. An antibody specific for CHRNA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCHRNA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CHRNA3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CHRNA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Neuronal acetylcholine receptor subunit alpha-3 is a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues.The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described.

Note: This product is for in vitro research use only