ARG58685
anti-CHRNA3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHRNA3
Tested Reactivity	Hu, Ms
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHRNA3
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human CHRNA3 (DAVLSLSALSPEIKEAIQSVKYIAENMKAQNEAKEIQD).
Conjugation	Un-conjugated
Alternate Names	LNCR2; NACHRA3; Neuronal acetylcholine receptor subunit alpha-3; PAOD2

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

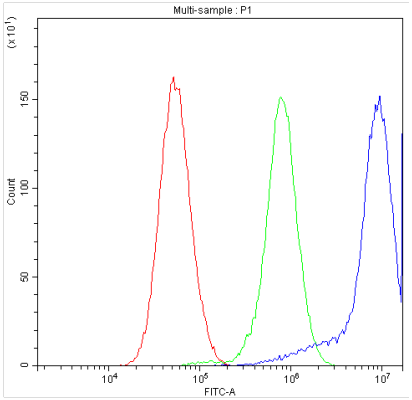
Properties

Form	Liquid
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

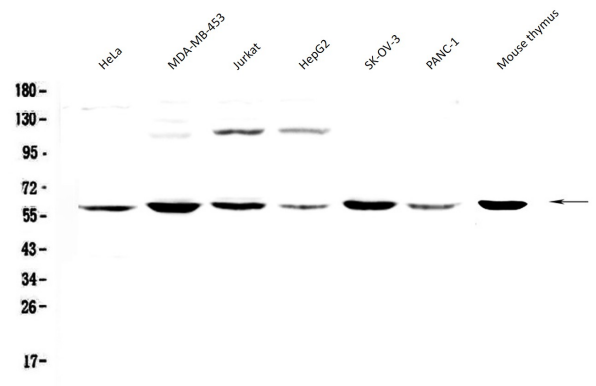
Gene Symbol	CHRNA3
Gene Full Name	cholinergic receptor, nicotinic, alpha 3 (neuronal)
Background	This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes 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. [provided by RefSeq, Nov 2009]
Function	After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. [UniProt]
Calculated Mw	57 kDa
Cellular Localization	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. [UniProt]

Images



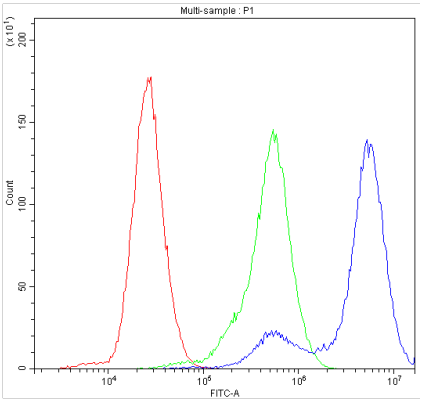
ARG58685 anti-CHRNA3 antibody FACS image

Flow Cytometry: U251 cells were blocked with 10% normal goat serum, and then stained with ARG58685 anti-CHRNA3 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG58685 anti-CHRNA3 antibody WB image

Western blot: 50 µg of HeLa whole cell lysates, MDA-MB-453 whole cell lysates, Jurkat whole cell lysates, HepG2 whole cell lysates, SK-OV-3 whole cell lysates, PANC-1 whole cell lysates and Mouse thymus stained with ARG58685 anti-CHRNA3 antibody at 0.5 µg/ml, overnight at 4°C, under reducing conditions.



ARG58685 anti-CHRNA3 antibody FACS image

Flow Cytometry: U-87 cells were blocked with 10% normal goat serum, and then stained with ARG58685 anti-CHRNA3 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.