SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CHRNA7 , Alexa Fluor® 750 conjugated antibody

SL1049R-AF750

Product Name	CHRNA7, Bodipy Fluor 750 conjugated
Chinese Name	AF750 标记的烟碱型乙酰胆碱受体 α7 抗体
Alias	CHRFAM7A; ACHA7_HUMAN; cholinergic receptor, nicotinic, alpha 7; Neuronal acetylcholine receptor subunit alpha-7; ACHR ALPHA 7; AChR alpha 7 Receptor; Acra7; ALPHA-7NACHR; ALPHA7; ALPHA7 NICOTINIC ACETYLCHOLINE RECEPTOR; Alpha7 nicr; BTX; CHRNA7; CHRNA7-2; NACHR alpha7; NACHRA7; NARAD; Alpha 7 neuronal nicotinic acetylcholine receptor FAM7A hybrid; CHRNA7 (cholinergic receptor nicotinic alpha 7 exons 5 10) and FAM7A (family with sequence similarity 7A exons A E) fusion; CHRNA7; CHRNA7 DR1; CHRNA7 FAM7A fusion; CHRNA7 FAM7A fusion protein; D 10; D10; MGC120482; MGC120483.
Research Area	Cell biology Neurobiology Signal transduction Apoptosis Channel protein The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Chicken)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	55kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CHRNA7: 441-502/502 <Cytoplasmic>
Lsotype	IgG
Purification	affinity purified by Protein A

Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	The Nicotinic Acetylcholine Receptors are members of a superfamily of ligand gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be hetero pentamers composed of homologous subunits. The proposed structure for each subunit is a conserved N terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C terminal extracellular region. The Nicotinic Acetylcholine Receptor alpha 7 forms a homo oligomeric channel, displays marked permeability to calcium ions and is a major component of brain nicotinic receptors that are blocked by, and highly sensitive to, alpha bungarotoxin. Once this receptor binds acetylcholine, it undergoes an extensive change in conformation that affects all subunits and leads to opening of an ion conducting channel across the plasma membrane. **SWISS:** P36544 **Gene ID:** 1139 **Database links:** Entrez Gene: 1139 Human Entrez Gene: 374001 Chicken Entrez Gene: 282178 Cow Entrez Gene: 11441 Mouse Entrez Gene: 25302 Rat Omim: 118511 Human SwissProt: P22770 Chicken SwissProt: P54131 Cow

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SwissProt: P36544 Human

SwissProt: Q8IUZ4 Human

SwissProt: P49582 Mouse

SwissProt: Q05941 Rat

Unigene: 88 Cow

Unigene: 511772 Human

Unigene: 113464 Mouse

Unigene: 9698 Rat