



Human CHRNA2 blocking peptide (CDBP0796)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CHRNA2 antibody
Antigen Description	Neuronal acetylcholine receptors are homo- or heteropentameric complexes composed of homologous alpha and beta subunits. They belong to a superfamily of ligand-gated ion channels which allow the flow of sodium and potassium across the plasma membrane in response to ligands such as acetylcholine and nicotine. This gene encodes one of several beta subunits. Mutations in this gene are associated with autosomal dominant nocturnal frontal lobe epilepsy.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CHRNA2 cholinergic receptor, nicotinic, beta 2 (neuronal) [Homo sapiens]
Official Symbol	CHRNA2
Synonyms	CHRNA2; cholinergic receptor, nicotinic, beta 2 (neuronal); cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal); neuronal acetylcholine receptor subunit beta-2; acetylcholine

receptor; nicotinic; beta 2 (neuronal); neuronal nicotinic acetylcholine receptor beta 2; acetylcholine receptor, nicotinic, beta 2 (neuronal); EFNL3; nAChRB2;

Entrez Gene ID	1141
mRNA Refseq	NM_000748
Protein Refseq	NP_000739
UniProt ID	P17787
Chromosome Location	1q21.3
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Highly calcium permeable nicotinic acetylcholine receptors, organism-specific biosystem; Highly calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-specific biosystem; Highly sodium permeable acetylcholine nicotinic receptors, organism-specific biosystem; Neuroactive ligand-
Function	acetylcholine binding; acetylcholine binding; acetylcholine receptor activity; acetylcholine-activated cation-selective channel activity; acetylcholine-activated cation-selective channel activity; extracellular ligand-gated ion channel activity; ligand-ga