

CHRNA2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16214**Specification**

CHRNA2 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q15822
Other Accession	NM_000742 , NP_000733
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

CHRNA2 antibody - N-terminal region - Additional Information**Gene ID** 1135**Other Names**

Neuronal acetylcholine receptor subunit alpha-2, CHRNA2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-CHRNA2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CHRNA2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CHRNA2 antibody - N-terminal region - Protein Information**Name** CHRNA2 ([HGNC:1956](#))**Function**

Component of neuronal acetylcholine receptors (nAChRs) that function as pentameric, ligand-gated cation channels with high calcium permeability among other activities. nAChRs are excitatory neurotransmitter receptors formed by a collection of nAChR subunits known to mediate synaptic transmission in the nervous system and the neuromuscular junction. Each nAChR subunit confers differential attributes to channel properties, including activation, deactivation and desensitization kinetics, pH sensitivity, cation permeability, and binding to allosteric modulators (PubMed:18723036). CHRNA2 forms heteropentameric neuronal acetylcholine receptors with CHRNA2 and CHRNA4 and plays a role in nicotine dependence (PubMed:24467848, PubMed:<a href="http://www.uniprot.org/citations/27493220"

target="_blank">27493220).

Cellular Location

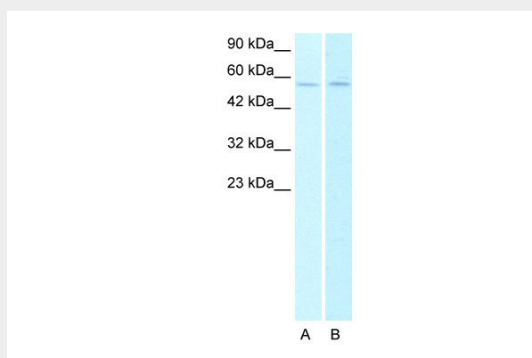
Synaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

CHRNA2 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CHRNA2 antibody - N-terminal region - Images



Host: Rabbit

Target Name: CHRNA2

Lane A: HepG2 cell lysate

s

Lane B: Raji cell lysate

s

Antibody Dilution: 0.5µg/ml

CHRNA2 antibody - N-terminal region - Background

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.

CHRNA2 antibody - N-terminal region - References

- Elliott K.J., et al. J. Mol. Neurosci. 7:217-228(1996).
Groot Kormelink P.J., et al. Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Nusbaum C., et al. Nature 439:331-335(2006).
Aridon P., et al. Am. J. Hum. Genet. 79:342-350(2006).

