

CHRNA2(neuronal) Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58032**Specification****CHRNA2(neuronal) Polyclonal Antibody - Product Information**

| | |
|-------------------|-------------------------|
| Application | WB, IHC-P, IHC-F, IF, E |
| Primary Accession | Q15822 |
| Reactivity | Rat, Dog |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 59765 |

CHRNA2(neuronal) Polyclonal Antibody - Additional Information**Gene ID** 1135**Other Names**

Neuronal acetylcholine receptor subunit alpha-2, CHRNA2

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CHRNA2(neuronal) Polyclonal Antibody - 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

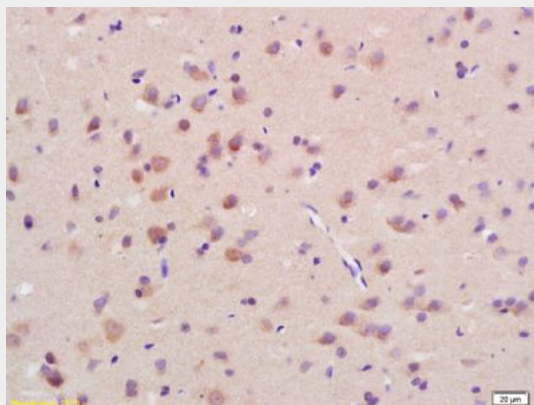
Synaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

CHRNA2(neuronal) Polyclonal Antibody - 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(neuronal) Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CHRNA2(neuronal) Polyclonal Antibody, Unconjugated(bs-2538R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining