



[Go to Product page](#)

Datasheet for ABIN1105213

## anti-CHRNA1 antibody (N-Term, Subunit alpha)

### 2 Images

#### Overview

Quantity:	0.1 mg
Target:	CHRNA1
Binding Specificity:	N-Term, Subunit alpha
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminal of Human CHRNA1, identical to the related Rat and Mouse sequence
Isotype:	IgG
Specificity:	Recognizes CHRNA1
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse and Rat.
Purification:	Immunoaffinity Chromatography

#### Target Details

Target:	CHRNA1
Alternative Name:	Acetylcholine Receptor alpha Subunit ( <a href="#">CHRNA1 Products</a> )

## Target Details

---

Background:	CHRNA, also termed ACHRA, is mapped on 2q24-q32. This gene encodes the alpha subunit of the muscle acetylcholine receptor, which is the main target of pathogenic autoantibodies in autoimmune myasthenia gravis. (1) The protein-coding sequence of the human alpha subunit gene is divided into 9 exons that correspond to different structural and functional domains of the precursor molecule. (2) Synonyms: ACHRA, CHNRA, CHRNA1
Gene ID:	1134
NCBI Accession:	<a href="#">NP_001034612</a>
UniProt:	<a href="#">P02708</a>
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

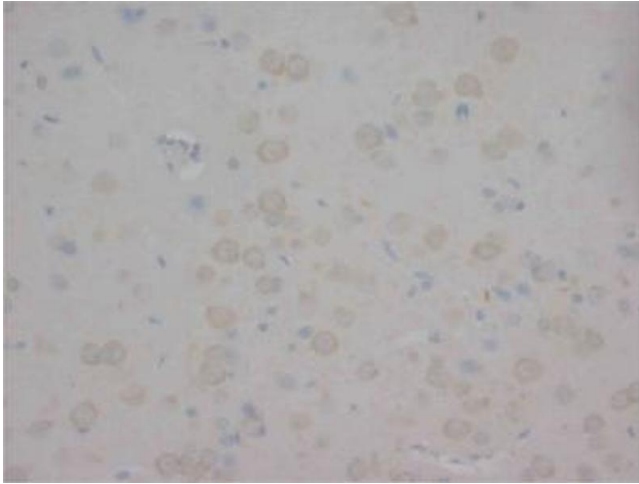
---

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

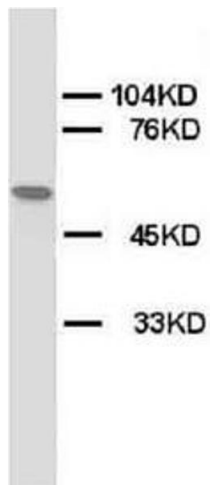
---

Format:	Liquid
Reconstitution:	Restore with 0.2 mL of distilled water to yield a concentration of 0.5 mg/mL.
Concentration:	0.5 mg/mL
Buffer:	5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal and 0.05 mg Sodium Azide
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody after reconstitution at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry on Paraffin Sections of Rat brain using AP23320PU-N CHRNA1 antibody.



### Western Blotting

**Image 2.** Western blot on Rat skeletal muscle lysis using AP23320PU-N CHRNA1 antibody.