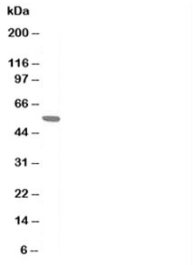
# AChR Antibody (nicotinic) (R30303)

| Catalog No. | Formulation | Size |
|---|---|---|
| R30303 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| **UniProt** | P02708 |
| **Applications** | Western blot: 0.5-1ug/ml |
| **Limitations** | This AChR antibody is available for research use only. |




Western blot testing of AChR antibody and rat skeletal muscle tissue lysate

## Description

AChR alpha, also called CHRNA, 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. 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.

## Application Notes

Titration of the AChR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids 22-36 (EHETRLVAKLFKDYS) from the alpha subunit were used as the immunogen for this nicotinic AChR antibody (100% homologous in human and rat).

## Storage

Store the lyophilized AChR antibody at 4oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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