

## 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.                   |

kDa  
200 –  
116 –  
97 –  
66 –  
44 –  
31 –  
22 –  
14 –  
6 –

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.