

## 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**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P02708
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	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.