

**CHRNA4**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2581a**

**Specification**

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**CHRNA4 - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">P43681</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>70kDa KDa</b>

**Immunogen**

Purified recombinant fragment of human CHRNA4 (AA: extra 29-242) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CHRNA4 - Additional Information**

**Gene ID** 1137

**Other Names**

EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4

**Dilution**

E~~ 1/10000  
WB~~ 1/500 - 1/2000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CHRNA4 is for research use only and not for use in diagnostic or therapeutic procedures.

**CHRNA4 - Protein Information**

**Name** CHRNA4

**Synonyms** NACRA4

**Function**

After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodium ions.

### Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor

### CHRNA4 - 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](#)

### CHRNA4 - Images

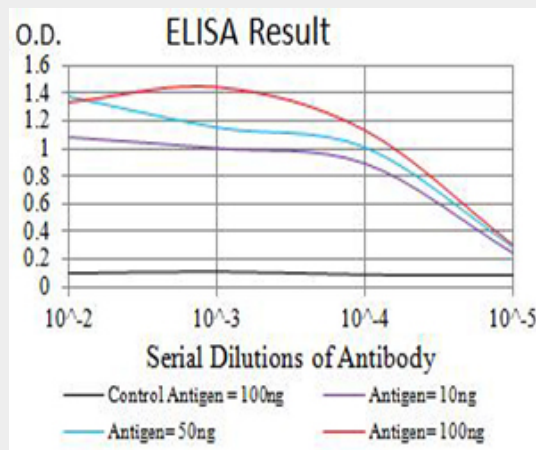


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

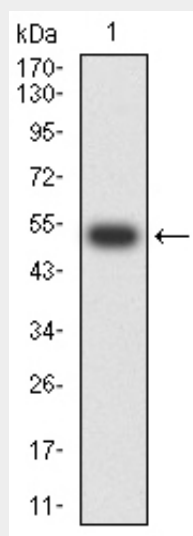


Figure 2:Western blot analysis using CHRNA4 mAb against human CHRNA4 (AA: 29-242) recombinant protein. (Expected MW is 52.5 kDa)

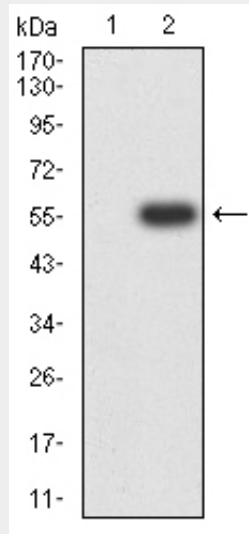


Figure 3:Western blot analysis using CHRNA4 mAb against HEK293 (1) and CHRNA4 (AA: 29-242)-hlgGfc transfected HEK293 (2) cell lysate.

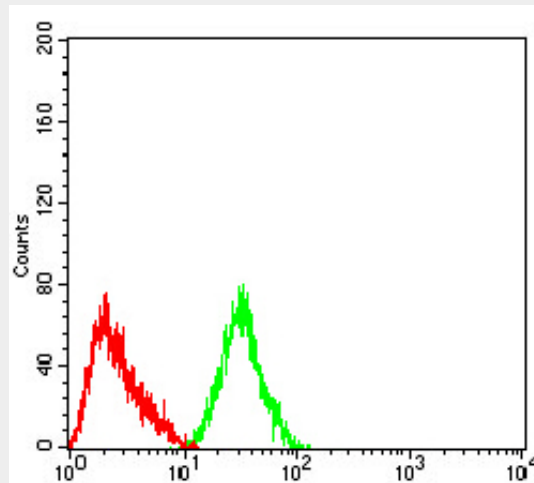


Figure 4:Western blot analysis using CHRNA4 mouse mAb against SH-SY5Y (1) cell lysate.

**CHRNA4 - References**

- 1.Epilepsy Res. 2014 Dec;108(10):1927-31.2.J Pharmacol Exp Ther. 2014 Mar;348(3):410-20.