

CHRNA3
Purified Mouse Monoclonal Antibody
Catalog # AO2561a**Specification**

CHRNA3 - Product Information

Application	E, WB, ICC
Primary Accession	P32297
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	57.5kDa KDa

Immunogen

Purified recombinant fragment of human CHRNA3 (AA: 32-240) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

CHRNA3 - Additional Information

Gene ID 1136

Other Names

LNCR2; PAOD2; NACHRA3

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
ICC~~ 1/200 - 1/1000

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

CHRNA3 is for research use only and not for use in diagnostic or therapeutic procedures.

CHRNA3 - Protein Information

Name CHRNA3

Synonyms NACHRA3

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.

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:P04757} Golgi apparatus {ECO:0000250|UniProtKB:P04757}. Note=Interaction with UBXN2A/UBXD4 promotes translocation to the plasma membrane {ECO:0000250|UniProtKB:P04757}

CHRNA3 - 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](#)

CHRNA3 - Images

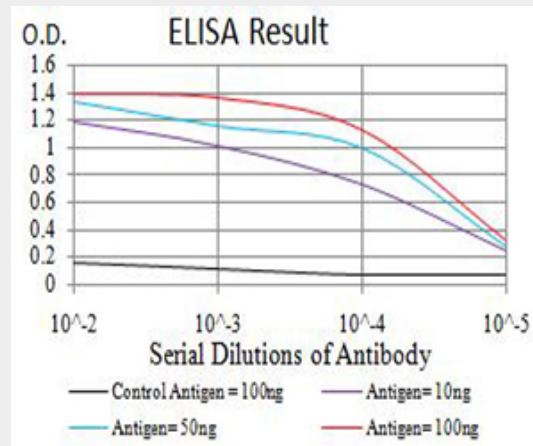


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

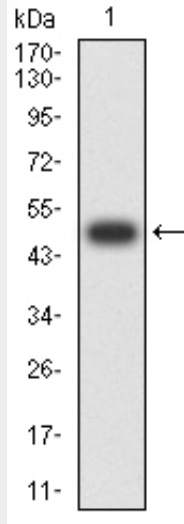


Figure 2:Western blot analysis using CHRNA3 mAb against human CHRNA3 (AA: 32-240) recombinant protein. (Expected MW is 50.6 kDa)

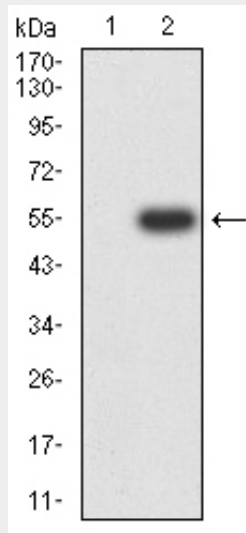


Figure 3:Western blot analysis using CHRNA3 mAb against HEK293 (1) and CHRNA3 (AA: 32-240)-hlgGFc transfected HEK293 (2) cell lysate.

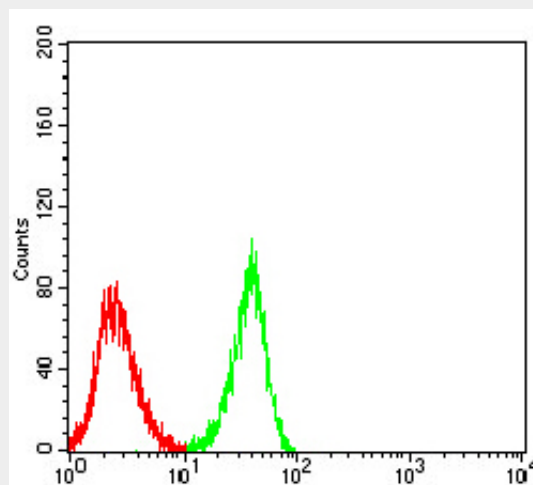


Figure 6:Flow cytometric analysis of SH-SY5Y cells using CHRNA3 mouse mAb (green) and

negative control (red).

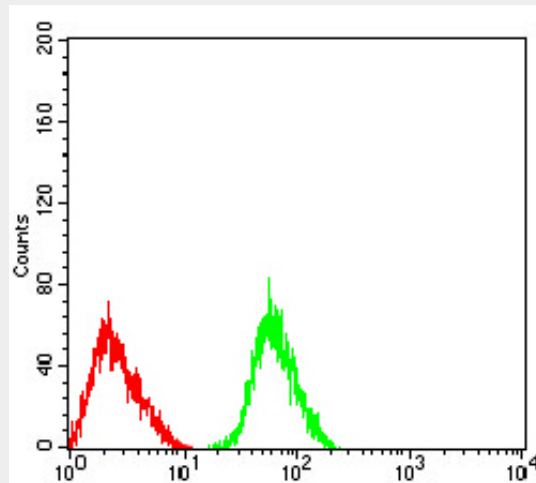


Figure 7:Flow cytometric analysis of SK-N-SH cells using CHRNA3 mouse mAb (green) and negative control (red).

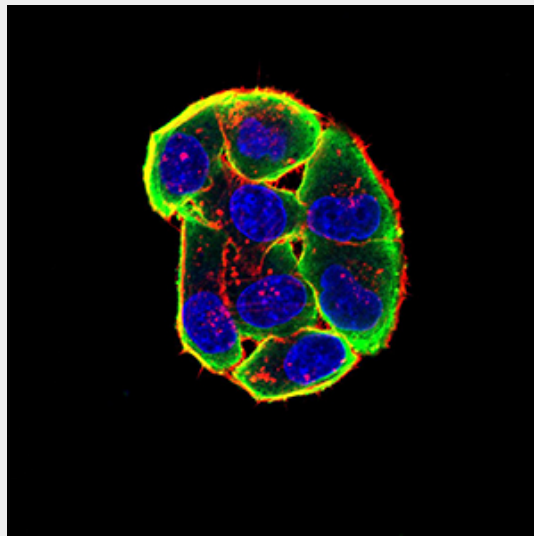


Figure 4:Immunofluorescence analysis of HeLa cells using CHRNA3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

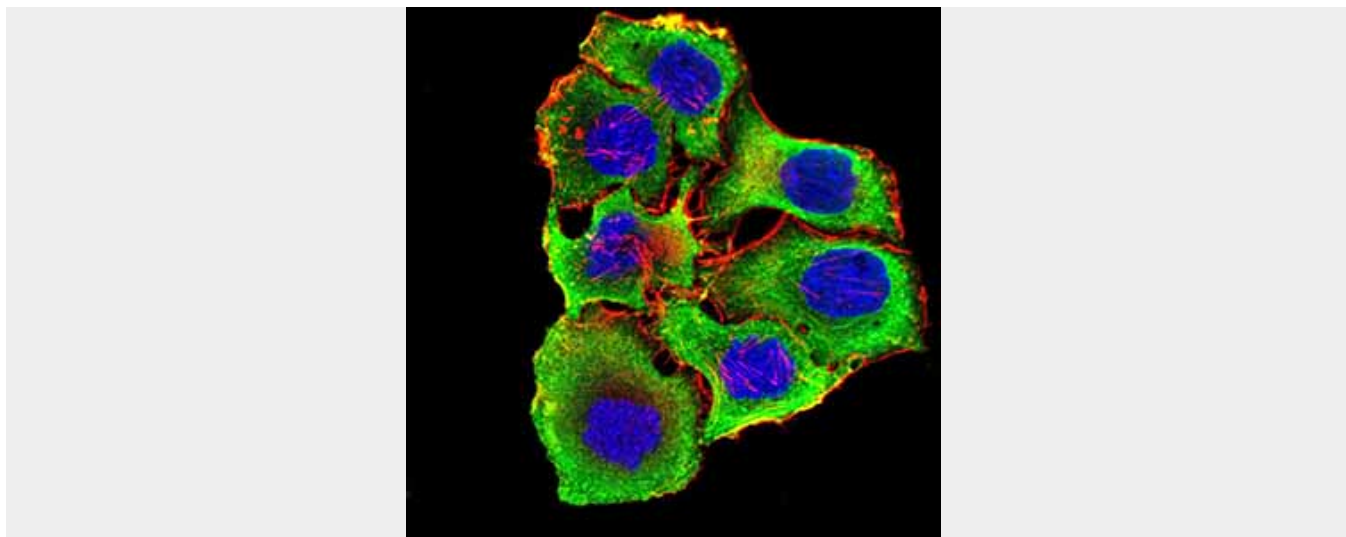


Figure 5: Immunofluorescence analysis of SMMC-7721 cells using CHRNA3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

CHRNA3 - References

1. Tumour Biol. 2015 Jul;36(7):4987-92. 2. Int J Mol Sci. 2014 Mar 28;15(4):5446-57.