10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRIN3B
Purified Mouse Monoclonal Antibody
Catalog # AO2558a

Specification

GRIN3B - Product Information

Application	**E, WB**
Primary Accession	O60391
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2a**
Calculated MW	**113kDa KDa**

Immunogen
Purified recombinant fragment of human GRIN3B (AA: 135-276) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

GRIN3B - Additional Information

Gene ID 116444

Other Names
NR3B; GluN3B

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
GRIN3B is for research use only and not for use in diagnostic or therapeutic procedures.

GRIN3B - Protein Information

Name GRIN3B

Function
NMDA receptor subtype of glutamate-gated ion channels with reduced single-channel conductance, low calcium permeability and low voltage-dependent sensitivity to magnesium. Mediated by glycine.

Cellular Location

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Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane Note=Requires the presence of GRIN1 to be targeted at the plasma membrane.

GRIN3B - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRIN3B - Images

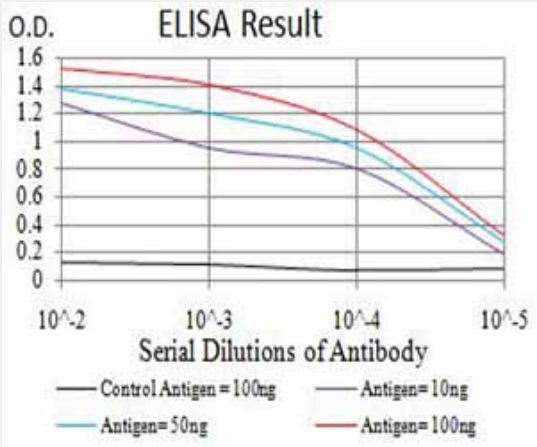

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

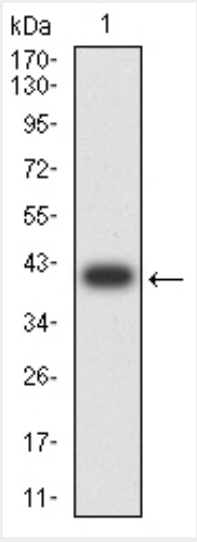

Figure 2:Western blot analysis using GRIN3B mAb against human GRIN3B (AA: 135-276)

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recombinant protein. (Expected MW is 40.8 kDa)

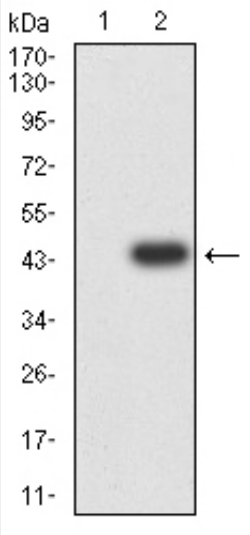

Figure 3:Western blot analysis using GRIN3B mAb against HEK293 (1) and GRIN3B (AA: 135-276)-hIgGFc transfected HEK293 (2) cell lysate.

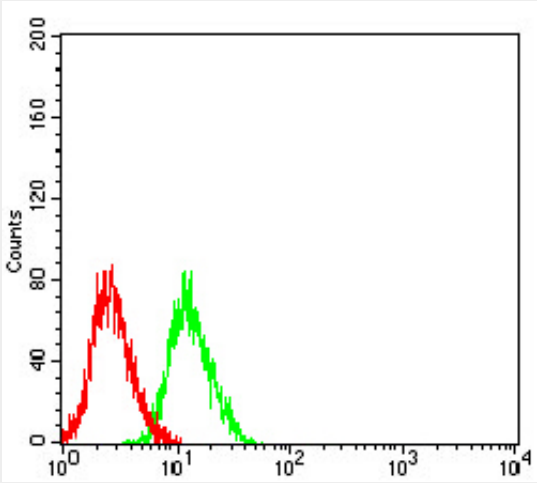

Figure 4:Flow cytometric analysis of SH-SY5Y cells using GRIN3B mouse mAb (green) and negative control (red).

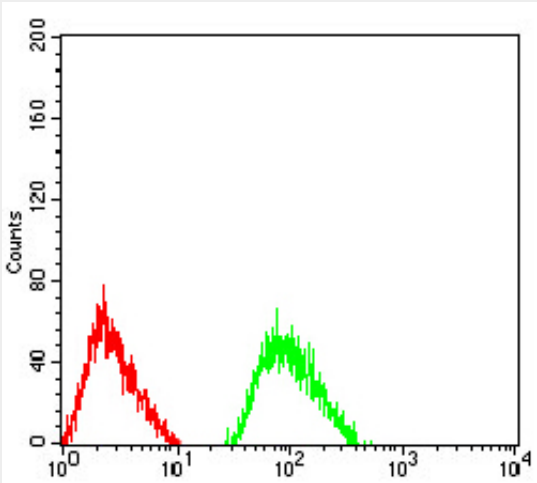

Figure 5:Flow cytometric analysis of SK-N-SH cells using GRIN3B mouse mAb (green) and

negative control (red).

GRIN3B - References

1.PLoS One. 2015 Mar 13;10(3):e0116319.2.Psychiatry Res. 2014 Aug 30;218(3):356-8.