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Datasheet for ABIN6991817

anti-NMDA Receptor Synaptonuclear Signaling and Neuronal Migration Factor (NSMF) (AA 230-280) antibody

Overview

Quantity:	0.1 mg
Target:	NMDA Receptor Synaptonuclear Signaling and Neuronal Migration Factor (NSMF)
Binding Specificity:	AA 230-280
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Rabbit polyclonal NELF antibody was raised against a 17 amino acid peptide near the center of human NELF. The immunogen is located within amino acids 230 - 280 of NELF.
Isotype:	IgG
Purification:	NELF Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	NMDA Receptor Synaptonuclear Signaling and Neuronal Migration Factor (NSMF)
Alternative Name:	NELF (NSMF Products)
Background:	NELF Antibody: NELF (nasal embryonic luteinizing hormone-releasing hormone factor) is a 530 amino acid transcription factor involved in the migration of LHRH neurons, outgrowth of

Target Details

olfactory axons and suppression of transcription elongation. NELF is found in the peripheral and central nervous system during embryonic development, and is highly expressed in adult testis, kidney and brain. Known to couple NMDA receptor signaling to the nucleus, NELF knockdown impaired GnRH neuronal migration of NLT cells in vitro and the gene encoding NELF has been linked to the development of Idiopathic hypogonadotropic hypogonadism (IHH), a disorder resulting in impaired pubertal maturation and reproductive function.

Molecular Weight: Predicted: 58 kDa

Gene ID: 26012

NCBI Accession: [NP_056352](#)

UniProt: [Q6X4W1](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: NELF antibody can be used for detection of NELF by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse and rat samples and Immunofluorescence in mouse and rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: NELF Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: NELF antibody can be stored at 4°C for three months and -20°C, stable for up to one year.