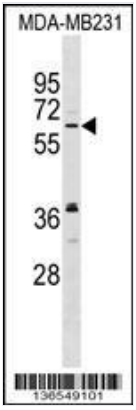
NELF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NELF, Polyclonal Antibody
Full Product Name	NELF, CT (NELF, Nasal embryonic luteinizing hormone-releasing hormone factor) (FITC)
Product Gene Name	anti-NELF antibody
Product Synonym Names	NELF; Nasal embryonic luteinizing hormone-releasing hormone factor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	gene 614838
3D Structure	ModBase 3D Structure for Q6X4W1
Immunogen	NELF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 500-530 amino acids from the C-terminal region of human NELF.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NELF antibody	Antibodies; Hormones; Steroids
Applications Tested/Suitable for anti-NELF antibody	Western Blot (WB), FLISA
Application Notes for anti-NELF antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NELF antibody	The protein encoded by this gene is involved in guidance of olfactory axon projections and migration of luteinizing hormone-releasing hormone neurons. Defects in this gene are a cause of idiopathic hypogonadotropic hypogonadism (IHH). Several transcript variants encoding different isoforms have been found for this gene.
Product References and Citations for anti-NELF antibody	Xu, N., et al. Mol. Cell. Endocrinol. 319 (1-2), 47-55 (2010): Trarbach, E.B., et al. Clin. Endocrinol. (Oxf) 72(3):371-376(2010). Yung, T.M., et al. Exp. Cell Res. 315(10):1693-1705(2009). Pedersen-White, J.R., et al. Mol. Hum. Reprod. 14(6):367-370(2008). Lim, J., et al. Cell 125(4):801-814(2006).
Other Notes	Small volumes of anti-NELF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for NELF purchase	MBS6324653 is an antibody targeting NELF. Also known as NELF, CT (NELF, Nasal embryonic luteinizing hormone-releasing hormone factor) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NELF antibody
NELF Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the NELF antibody detected the NELF protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NELF. It may not necessarily be applicable to this product.

NCBI GI #	195972911
NCBI GeneID	26012
NCBI Accession #	NP_001124442.1
NCBI Related Accession #	NP_001124441.1
UniProt Primary Accession #	Q6X4W1
UniProt Related Accession #	Q6X4W1
GenBank Nucleotide #	NP_001124442.1
NCBI Official Full Name	NMDA receptor synaptonuclear signaling and neuronal migration factor isoform c
NCBI Official Synonym Full Names	NMDA receptor synaptonuclear signaling and neuronal migration factor
NCBI Official Symbol	NSMF
NCBI Official Synonym Symbols	HH9; NELF
UniProt Protein Name	NMDA receptor synaptonuclear signaling and neuronal migration factor
UniProt Synonym Protein Names	Nasal embryonic luteinizing hormone-releasing hormone factor; Nasal embryonic LHRH factor
Protein Family	Negative elongation factor
UniProt Gene Name	NSMF
UniProt Synonym Gene Names	NELF; Nasal embryonic LHRH factor
UniProt Entry Name	NSMF_HUMAN
NCBI Protein Information	NMDA receptor synaptonuclear signaling and neuronal migration factor

UniProt Comments for NELF	NSMF: Couples NMDA receptor signaling to the nucleus. Influences outgrowth of olfactory axons and migration of LHRH neurons. Defects in NELF may be associated with idiopathic hypogonadotropic hypogonadism (IHH). IHH is defined as a deficiency of the pituitary secretion of follicle-stimulating hormone and luteinizing hormone, which results in the impairment of pubertal maturation and of reproductive function. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 9q34.3 Cellular Component: cortical cytoskeleton; nuclear membrane; neuron projection; nuclear matrix; postsynaptic density; dendrite; nuclear envelope; perikaryon; nucleoplasm; postsynaptic membrane; membrane; cytoplasm; synapse; nucleus; cell junction Molecular Function: calcium-dependent protein binding Biological Process: regulation of dendrite morphogenesis; regulation of neuron apoptosis; positive regulation of protein amino acid dephosphorylation; regulation of neuronal synaptic plasticity Disease: Hypogonadotropic Hypogonadism 9 With Or Without Anosmia
Research Articles on NELF	**1.** These findings suggest a role for NELF in the regulation of the JAK/STAT signaling pathway, which have important functions in GnRH neurons.
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