SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-NMS antibody

Catalog Number: SL11443R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	NMS
Immunogen:	KLH conjugated synthetic peptide derived from human Neuromedin S: 81-153/153
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	4kDa
Subcellular Location:	Secretory protein
Background:	NMS is a 153 amino acid secreted protein that belongs to the NmU family. NMS is implicated in the regulation of circadian rhythms through autocrine and/or paracrine actions. The gene that encodes NMS consists of approximately 12,799 bases and maps to human chromosome 2q11.2. Consisting of 237 million bases and encoding over 1,400 genes, chromosome 2 makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. **Function:** NMS (neuromedin S) is a 36-amino acid neuropeptide specifically expressed in the suprachiasmatic nucleus (SCN) of the hypothalamus. NMS shares a C-terminal core structure with NMU. NMS mRNA is highly expressed in the central nervous system, spleen and testis. NMS may be implicated in the regulation of circadian rhythms and feeding behavior.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Secreted. **Similarity:** Belongs to the NmU family. **Database links:** **Entrez Gene:** 129521 Human **SwissProt:** Q5H8A3 Human **Unigene:** 567676 Human

[VALIDATION IMAGES]

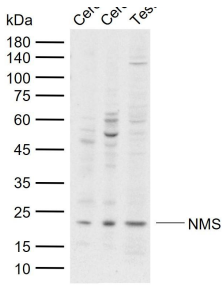


Figure 1. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Rat Testis tissue lysates Primary: Anti-NMS (SL11443R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 4 kDa Observed band size: 20 kDa

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