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# Rabbit Anti-NMS antibody

SL11443R

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| **Product Name:** | NMS |
| **Chinese Name:** | 神经调节肽S抗体 |
| **Alias:** | Neuromedin S; Neuromedin-S; NeuromedinS; Nms; NMS_HUMAN; Prepro NMS. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 4kDa |
| **Cellular localization:** | Secretory protein |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human Neuromedin S:81-153/153 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 癈 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癈. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癈. |
| **PubMed:** | PubMed |
| **Product Detail:** | 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 |

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| | morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8.<br><br>**Function:**<br>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.<br><br>**Subcellular Location:**<br>Secreted.<br><br>**Similarity:**<br>Belongs to the NmU family.<br><br>**SWISS:**<br>Q5H8A3<br><br>**Gene ID:**<br>129521<br><br>**Database links:**<br><br>Entrez Gene: 129521Human<br><br>SwissProt: Q5H8A3 Human<br><br>Unigene: 567676 Human<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

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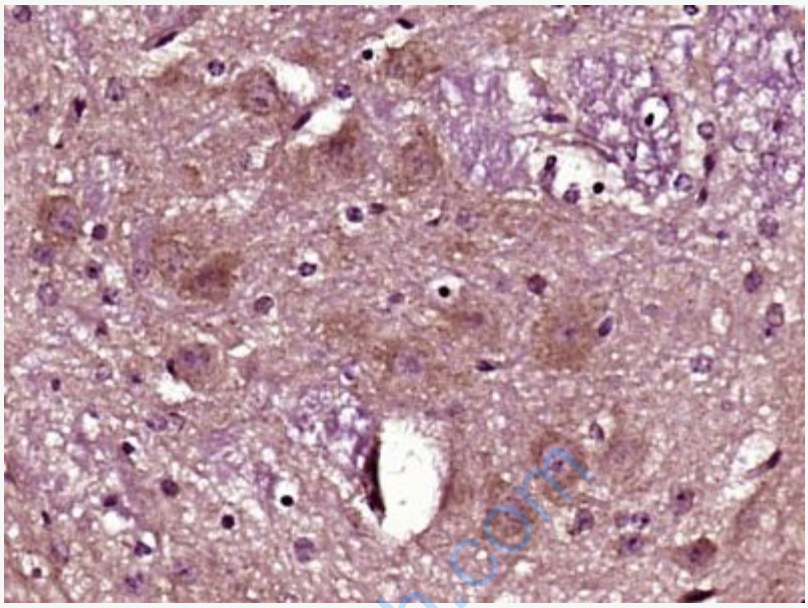
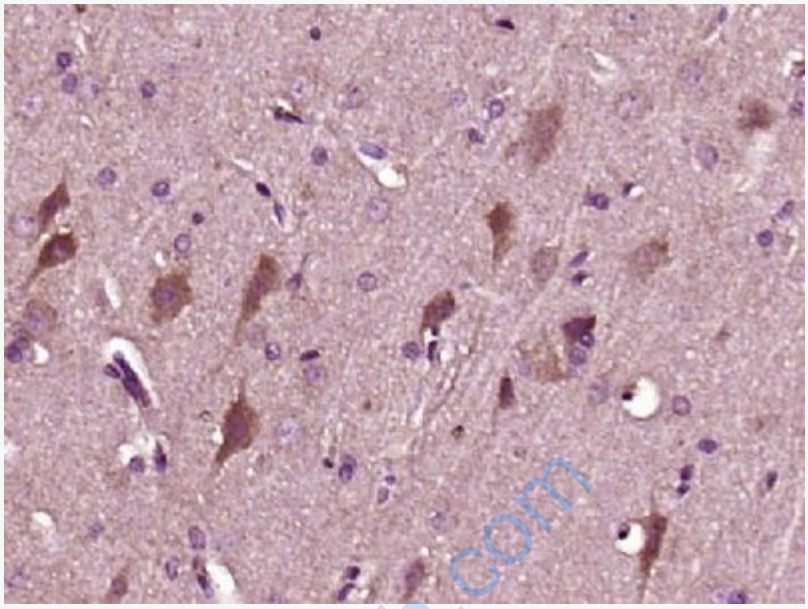
| **Picture:** |  <br>Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NMS) Polyclonal Antibody, Unconjugated (SL11443R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining. |



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NMS) Polyclonal Antibody, Unconjugated (SL11443R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.