N-乙基顺丁烯二酰亚胺敏感融合蛋白抗体

产品货号： mlR11255

英文名称： NSF

中文名称： N-乙基顺丁烯二酰亚胺敏感融合蛋白抗体

别　　名： N ethylmaleimide sensitive factor; N ethylmaleimide sensitive factor; N ethylmaleimide sensitive factor like protein; N ethylmaleimide sensitive fusion protein; N ethylmaleimide sensitive fusion protein; N-ethylmaleimide-sensitive fusion protein; NEM sensitive fusion protein; NEM sensitive fusion protein; NEM-sensitive fusion protein; NSF; NSF_HUMAN; SKD 2; SKD2; SKD2; Vesicle fusing ATPase; Vesicle fusing ATPase; Vesicle-fusing ATPase; Vesicular fusion protein NSF; Vesicular fusion protein NSF; Vesicular-fusion protein NSF.

研究领域： 肿瘤　神经生物学　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Zebrafish, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 83kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human NSF:151-250/744

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C 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°C. 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 °C.

PubMed： PubMed

产品介绍： Several protein-protein interactions are essential to membrane fusion during endocytosis. Membrane fusion requires interaction among SNARE1 proteins associated with both donor and acceptor membranes (1,2). Following membrane fusion, the α-SNAP cytoplasmic adapter protein binds to the SNARE complex. N-ethylmaleimide-sensitive factor (NSF), a hexameric ATPase, then associates with the α-SNAP/SNARE complex to mediate SNARE disassembly during membrane fusion (3,4). The ATPase activity of NSF induces a conformational change in the α-SNAP/SNARE complex that leads to its dissociation from the membrane, membrane fusion and eventual recycling of the SNARE complex for subsequent membrane fusion (3,4).

Function:

Required for vesicle-mediated transport. Catalyzes the fusion of transport vesicles within the Golgi cisternae. Is also required for transport from the endoplasmic reticulum to the Golgi stack. Seem to function as a fusion protein required for the delivery of cargo proteins to all compartments of the Golgi stack independent of vesicle origin.

Subunit:

Homohexamer. Interacts with GABARAP and GABARAPL2. Interacts with GRIA2. Interacts with PLK2, leading to disrupt the interaction with GRIA2. Interacts with MUSK; may regulate MUSK endocytosis and activity (By similarity). Interacts with CDK16 (By similarity).

Subcellular Location:

Cytoplasm.

Post-translational modifications:

Phosphorylation at Ser-569 interferes with homohexamerization (By similarity).

Similarity:

Belongs to the AAA ATPase family.

SWISS:

P46459

Gene ID:

4905

Important Note:

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

产品图片