

**NSF Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20197B**

**Specification**

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**NSF Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P46459</a>
Other Accession	<a href="#">O9OUL6</a> , <a href="#">P46460</a> , <a href="#">P18708</a> , <a href="#">NP_006169.2</a>
Reactivity	Human, Mouse
Predicted	Hamster, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82594
Antigen Region	668-696

**NSF Antibody (C-term) - Additional Information**

**Gene ID** 4905

**Other Names**

Vesicle-fusing ATPase, N-ethylmaleimide-sensitive fusion protein, NEM-sensitive fusion protein, Vesicular-fusion protein NSF, NSF

**Target/Specificity**

This NSF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 668-696 amino acids from the C-terminal region of human NSF.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NSF Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NSF Antibody (C-term) - Protein Information**

**Name** NSF

**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. Seems to function as a fusion protein required for the delivery of cargo proteins to all compartments of the Golgi stack independent of vesicle origin. Interaction with AMPAR subunit GRIA2 leads to influence GRIA2 membrane cycling (By similarity).

**Cellular Location**

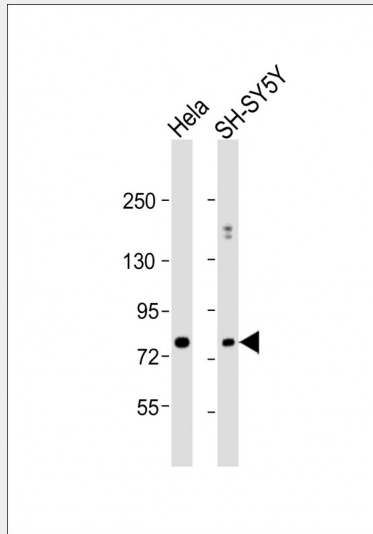
Cytoplasm.

**NSF Antibody (C-term) - Protocols**

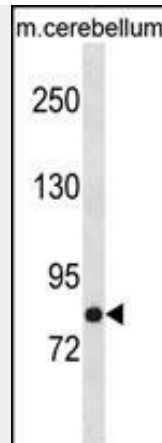
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NSF Antibody (C-term) - Images**



All lanes : Anti-NSF Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NSF Antibody (C-term) (Cat. #AP20197b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the NSF antibody detected the NSF protein (arrow).

### **NSF Antibody (C-term) - Background**

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.

### **NSF Antibody (C-term) - References**

- Saus, E., et al. J Psychiatr Res 44(14):971-978(2010)
- Hamza, T.H., et al. Nat. Genet. 42(9):781-785(2010)
- Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :
- Parashuraman, S., et al. FEBS Lett. 584(6):1251-1256(2010)
- Simon-Sanchez, J., et al. Nat. Genet. 41(12):1308-1312(2009)