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

Specification

NSF Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P46459
Other Accession	Q9QUL6, P46460, P18708, NP_006169.2
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
E~~Use at an assay dependent concentration.

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).

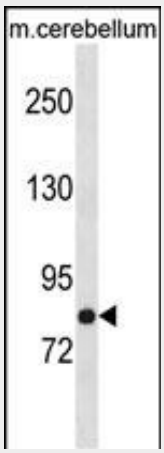
Cellular Location
Cytoplasm.

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 Cytomety
- Cell Culture

NSF Antibody (C-term) - Images



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).

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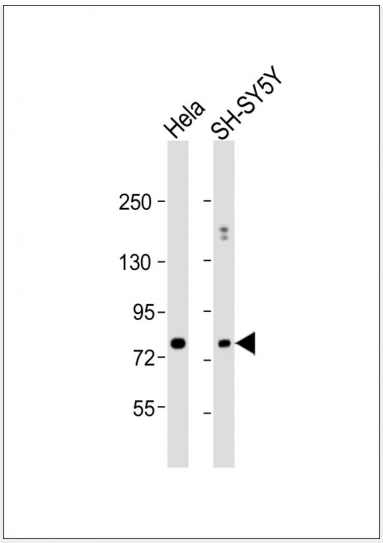

All lanes : Anti-NSF Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NSF Antibody (C-term) - 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)