

Rabbit NSF Polyclonal Antibody | anti-NSF antibody

NSF Antibody

CATALOG # AAA301804	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot
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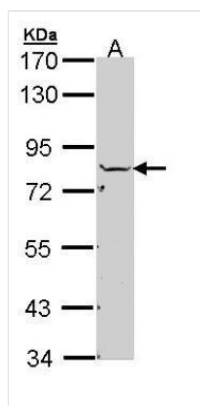
PRODUCT SYNONYMS

NSF; Polyclonal Antibody; NSF Antibody; SKD2 antibody; NSF antibody; vesicle-fusing ATPase antibody; N-ethylmaleimide-sensitive factor-like protein antibody; vesicular-fusion protein NSF antibody; NEM-sensitive fusion protein antibody; N-ethylmaleimide-sensitive fusion protein antibody; N-ethyl; anti-NSF antibody

PRODUCT SPECIFICATIONS

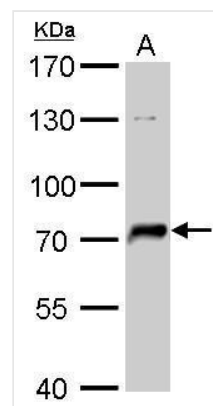
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total NSF protein.
Purity/Purification	Antibodies were purified by antigen-affinity chromatography.
Form/Format	Rabbit IgG in 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration	0.27 mg/ml (varies by lot)
Sequence Length	744
Applicable Applications for anti-NSF antibody	WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 1 and 292 of NSF.
Target Name	NSF
Preparation and Storage	Store at -20 degree C

IMAGES



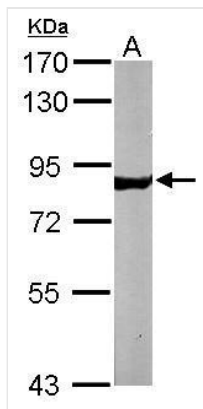
Application Data

NSF antibody detects NSF protein by Western blot analysis. A: 50 µg rat brain lysate/extract. 7.5 % SDS-PAGE diluted at 1:1000



Application Data

Sample (30 µg of whole cell lysate) A: 293T 7.5% SDS PAGE diluted at 1:1000



Application Data

Sample (50 ug of whole cell lysate) A: Mouse brain 7.5% SDS PAGE diluted at 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-NSF antibody

NSF required for intracellular membrane fusion and 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. Functions as a SNAP receptor (SNARE) chaperone which binds, through soluble NSF attachment proteins (SNAPs), to SNARE complexes and utilizes the energy of ATP hydrolysis to disassemble them thus facilitating SNARE recycling. While this is a major function of NSF, it does seem to interact with other proteins, such as the AMPA receptor subunit, GluR2, and beta2-AR and is thought to affect their trafficking patterns.

Product Categories/Family for anti-NSF antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	156564401
NCBI GeneID	4905
NCBI Accession #	NP_006169.2
NCBI GenBank Nucleotide #	NM_006178.3
UniProt Accession #	P46459; Q8N6D7; Q9UKZ2; A8K2D9; B4DFA2
Molecular Weight	71,584 Da
NCBI Official Full Name	vesicle-fusing ATPase
NCBI Official Synonym Full Names	N-ethylmaleimide-sensitive factor
NCBI Official Symbol	NSF
NCBI Official Synonym Symbols	SKD2
NCBI Protein Information	vesicle-fusing ATPase
UniProt Protein Name	Vesicle-fusing ATPase
UniProt Gene Name	NSF
UniProt Synonym Gene Names	NEM-sensitive fusion protein
UniProt Entry Name	NSF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

