Rabbit NSF Polyclonal Antibody | anti-NSF antibody

NSF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325253	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

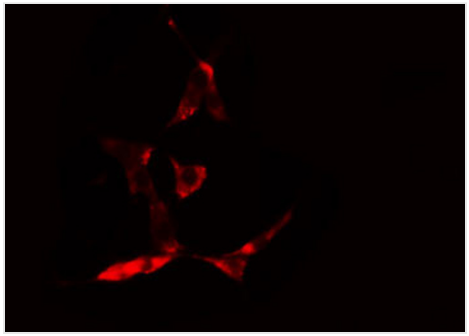
PRODUCT SYNONYMS

NSF; Polyclonal Antibody; NSF Antibody; N ethylmaleimide sensitive factor; N ethylmaleimide sensitive factor like protein; N ethylmaleimide sensitive fusion protein; N-ethylmaleimide-sensitive fusion protein; NEM sensitive fusion protein; NEM-sensitive fusion protein; NSF_HUMAN; SKD 2; SKD2; Vesicle fusing ATPase; Vesicle-fusing ATPase; Vesicular fusion protein NSF; Vesicular-fusion protein NSF; anti-NSF antibody

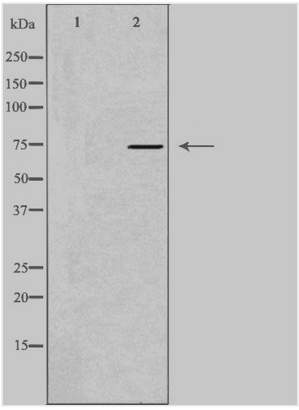
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NSF antibody detects endogenous levels of total NSF
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	744
Applicable Applications for anti-NSF antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	**Pig, Horse, Sheep, Rabbit, Dog**
Similarity	Pig (92%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325253 staining CoLo cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from CoLo cells, using NSF antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NSF antibody	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). Subunit Structure: 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). Post-translational Modifications: Phosphorylation at Ser-569 interferes with homohexamerization. Similarity: Belongs to the AAA ATPase family.

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	Observed: 75 kD Predicted: 83 kDa
NCBI Official Full Name	vesicle-fusing ATPase
NCBI Official Synonym Full Names	N-ethylmaleimide sensitive factor, vesicle fusing ATPase
NCBI Official Symbol	NSF
NCBI Official Synonym Symbols	SKD2; SEC18
NCBI Protein Information	vesicle-fusing ATPase
UniProt Protein Name	Vesicle-fusing ATPase
UniProt Gene Name	**NSF**
UniProt Synonym Gene Names	NEM-sensitive fusion protein

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.