

For Research Use Only

NSF Polyclonal antibody

Catalog Number: 21172-1-AP **1 Publications**



Basic Information

Catalog Number: 21172-1-AP	GenBank Accession Number: BC030613	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4905	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: N-ethylmaleimide-sensitive factor	Calculated MW: 744 aa, 83 kDa
Isotype: IgG	Observed MW: 83 kDa	IHC 1:100-1:400
Immunogen Catalog Number: AG15422		

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue
Cited Applications: IF	IP : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue,
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The N-ethylmaleimide-sensitive fusion protein (NSF) is a 70-83 kDa cytosol protein that is expressed in all cell types. NSF functions as an ATPase and it is a part of the 20S membrane fusion apparatus with the vesicular SNAP receptor (v-SNARE) synaptobrevin, and the target SNAREs (t-SNARE) syntaxin and SNAP-25. With the hydrolysis of ATP by NSF, the released energy may set-up or drive membrane fusion processes. NSF is required for general membrane transport and trafficking.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhaokang Cui	35017645	Cell Death Differ	IF

Storage

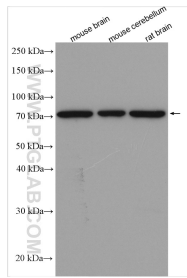
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

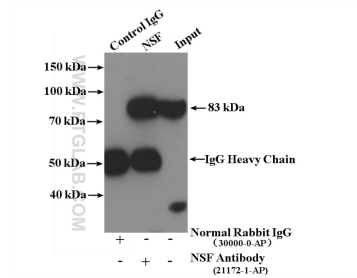
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

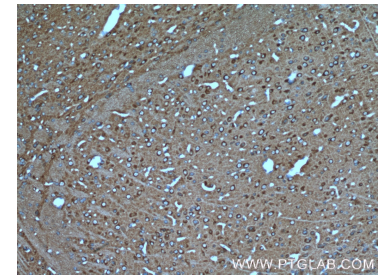
Selected Validation Data



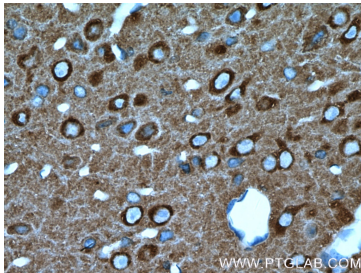
Various lysates were subjected to SDS PAGE followed by western blot with 21172-1-AP (NSF antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-NSF (IP:21172-1-AP, 4ug; Detection:21172-1-AP 1:300) with mouse brain tissue lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21172-1-AP (NSF Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21172-1-AP (NSF Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).