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# Product datasheet for AP00234PU-N

## Nsf Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC, IP, WB |
| **Recommended Dilution:** | Western Blot: 1-2 µg/ml.<br>Immunoprecipitation: 5-15 mg/ml.<br>Immunohistochemistry: 10-20 µg/ml. |
| **Reactivity:** | Mouse, Rat |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide corresponding to amino acids around 731 of rat NSF |
| **Specificity:** | The antibody recognizes 85 kDa NSF. |
| **Formulation:** | PBS containing 50 % glycerol, 1 % BSA, and 0.02 % sodium azide<br>State: Aff - Purified<br>State: Liquid purified Ig fraction |
| **Concentration:** | lot specific |
| **Purification:** | Protein A chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted (in aliquots) at -20°C to -70°C.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | N-ethylmaleimide-sensitive factor |
| **Database Link:** | Entrez Gene 18195 MouseEntrez Gene 60355 Rat<br>Q9QUL6 |

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**Background:** Syntaxins were originally thought to be docking proteins, but have more recently been categorized as anchoring proteins that anchor themselves to the cytoplasmic surfaces of cellular membranes. Syntaxins have been shown to bind to various proteins involved in exocytosis, including VAMPs (vesicle-associated membrane proteins), NSF (N-ethylmaleimidesensitive factor), SNAP 25 (synaptosomal-associated protein of 25kDa), SNAPs (soluble NSF attachment proteins) and synaptotagmin. SNAPs mediate the membrane binding of NSF, which is essential for membrane fusion reactions. An additional protein designated synaptophysin may regulate exocytosis by competing with SNAP 25 and syntaxins for VAMP binding.

**Synonyms:** SKD2