

**NYREN18 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2510a****Specification**

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**NYREN18 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9Y5A7</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70538
Antigen Region	87-117

**NYREN18 Antibody (N-term) - Additional Information****Gene ID** 51667**Other Names**

NEDD8 ultimate buster 1, Negative regulator of ubiquitin-like proteins 1, Renal carcinoma antigen NY-REN-18, NUB1, NYREN18

**Target/Specificity**

This NYREN18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-117 amino acids from the N-terminal region of human NYREN18.

**Dilution**WB~~1:1000  
IHC-P~~1:50~100**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**

NYREN18 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NYREN18 Antibody (N-term) - Protein Information****Name** NUB1**Synonyms** NYREN18

**Function** Specific down-regulator of the NEDD8 conjugation system. Recruits NEDD8, UBD, and their conjugates to the proteasome for degradation. Isoform 1 promotes the degradation of NEDD8 more efficiently than isoform 2.

**Cellular Location**

Nucleus. Note=Predominantly nuclear

**Tissue Location**

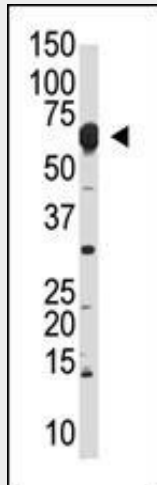
Widely expressed with lowest expression in the pancreas for isoform 1 and in leukocytes, liver, prostate and skeletal muscle for isoform 2

**NYREN18 Antibody (N-term) - Protocols**

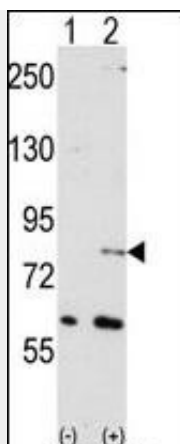
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

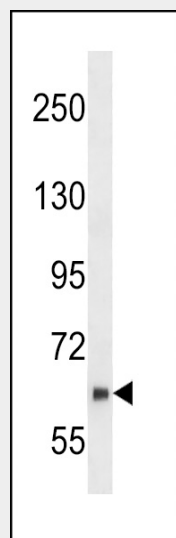
**NYREN18 Antibody (N-term) - Images**



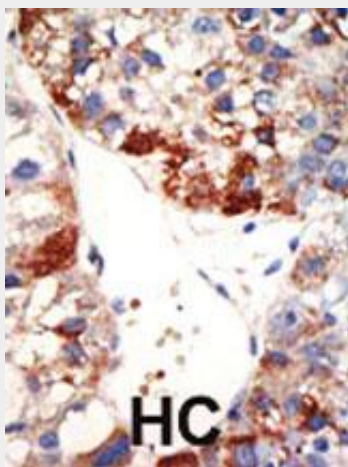
The anti-NYREN18 N-term Pab (Cat. #AP2510a) is used in Western blot to detect NYREN18 in mouse liver lysate.



Western blot analysis of NUB1 (arrow) using NYREN18 Antibody (N-term) (Cat.#AP2510a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUB1 gene (Lane 2) (Origene Technologies).



NYREN18 Antibody (E102) (Cat. #AP2510a) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the NYREN18 antibody detected the NYREN18 protein (arrow).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been

evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

#### **NYREN18 Antibody (N-term) - Background**

NYREN18 is a specific down-regulator of the NEDD8 conjugation system. It recruits NEDD8 and its conjugates to the proteasome for degradation. It also interacts with PSMD4/S5a, a member of the regulatory subunit of the 26S proteasome.

#### **NYREN18 Antibody (N-term) - References**

Tanaka, T., et al., J. Biol. Chem. 278(35):32905-32913 (2003).  
Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).  
Kito, K., et al., J. Biol. Chem. 276(23):20603-20609 (2001).  
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Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999).