

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

NYREN18 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9Y5A7
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

E~~Use at an assay dependent concentration.

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

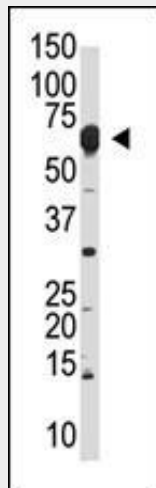
Widely expressed with lowest expression in the pancreas for isoform 1 and in leukocytes, liver, prostate and skeletal muscle for isoform 2

NYREN18 Antibody (N-term) - Protocols

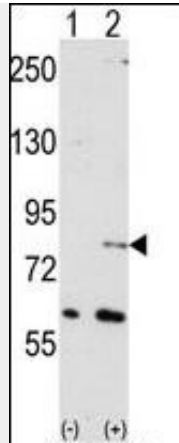
Provided below are standard protocols that you may find useful for product applications.

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

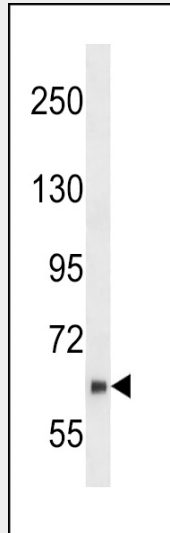
NYREN18 Antibody (N-term) - Images



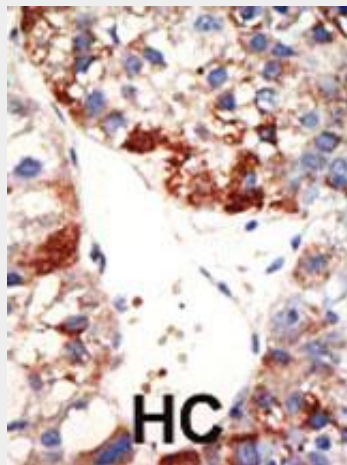
The anti-NYREN18 N-term Pab (Cat. #AP2510a) is used in Western blot to detect NYREN18 in mouse liver lysate.



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).
Kamitani, T., et al., J. Biol. Chem. 276(49):46655-46660 (2001).
Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999).