

NYREN18 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2510b**Specification**

NYREN18 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q9Y5A7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70538
Antigen Region	513-542

NYREN18 Antibody (C-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 513-542 amino acids from the C-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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

NYREN18 Antibody (C-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

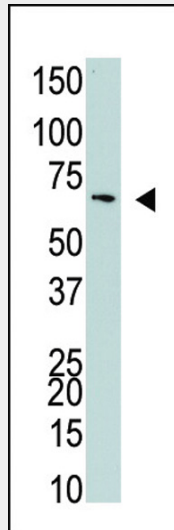
Widely expressed with lowest expression in the pancreas for isoform 1 and in leukocytes, liver, prostate and skeletal muscle for isoform 2

NYREN18 Antibody (C-term) - Protocols

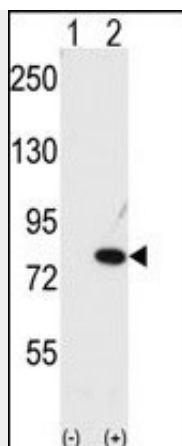
Provided below are standard protocols that you may find useful for product applications.

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

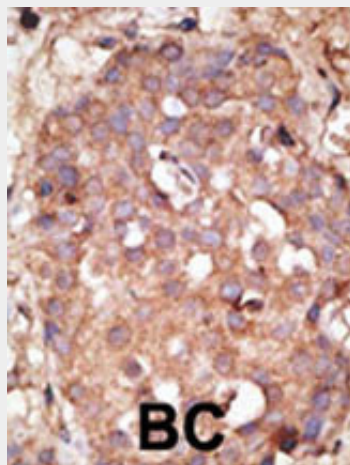
NYREN18 Antibody (C-term) - Images



The anti-NYREN18 Pab (Cat. #AP2510b) is used in Western blot to detect NYREN18 in 293 cell lysate.



Western blot analysis of NUB1 (arrow) using NYREN18 Antibody (C-term) (Cat.#AP2510b).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUB1 gene (Lane 2) (Origene Technologies).



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 (C-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 (C-term) - References

Tanaka, T., et al., J. Biol. Chem. 278(35):32905-32913 (2003).
Akey, D.T., et al., Hum. Mol. Genet. 11(22):2723-2733 (2002).
Kito, K., et al., J. Biol. Chem. 276(23):20603-20609 (2001).
Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999).