10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NYREN18 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2510b

Specification

NYREN18 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y5A7

NYREN18 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2510b was selected from the C-term region of human NYREN18 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NYREN18 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

NYREN18 Antibody (C-term) Blocking Peptide - Images

NYREN18 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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).