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NYREN18 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2510a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y5A7
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2874
Calculated MW	70538
Antigen Region	87-117

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~~1:100~500 E~~Use at an assay dependent concentration.
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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

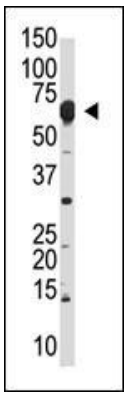
Background

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.

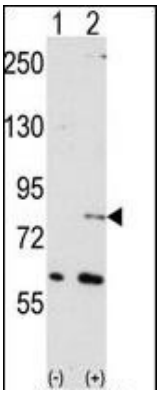
References

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Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999).

Images

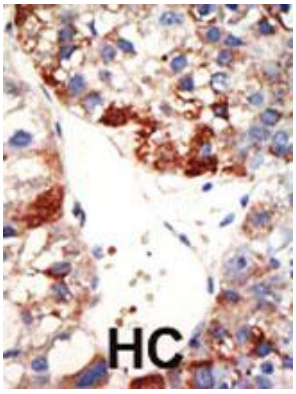


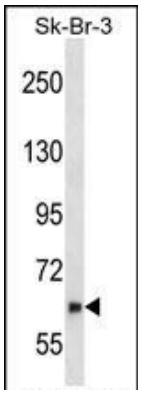
The anti-NYREN18 N-term Pab (Cat. #AP2510a) is used in Western blot to detect NYREN18 in mouse liver lysate.



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).

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 (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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.