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NUB1/NYREN18 Rabbit pAb

Catalog # AP99240

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y5A7
Other Accession	Q9Y5A7
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70538
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUB1/NYREN18
Epitope Specificity	201-300/615
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 UBA domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein that functions as a negative regulator of NEDD8, a ubiquitin-like protein that conjugates with cullin family members in order to regulate vital biological events. The protein encoded by this gene regulates the NEDD8 conjugation system post-transcriptionally by recruiting NEDD8 and its conjugates to the proteasome for degradation. This protein interacts with the product of the AIPL1 gene, which is associated with Leber congenital amaurosis, an inherited retinopathy, and mutations in that gene can abolish interaction with this protein, which may contribute to the pathogenesis. This protein is also known to accumulate in Lewy bodies in Parkinson's disease and dementia with Lewy bodies, and in glial cytoplasmic inclusions in multiple system atrophy, with this abnormal accumulation being specific to alpha-synucleinopathy lesions. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	51667
Other Names	BS4; NUB1L; NYREN18; NUB1_HUMAN; NUB1; Negative regulator of ubiquitin-like proteins 1; Renal carcinoma antigen NY-REN-18; negative regulator of ubiquitin like proteins 1; NEDD8 ultimate buster-1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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