

产品名称: NUB1 Rabbit Polyclonal Antibody
产品货号: AP Rab14949



产品概述 (Summary)

产品名称 (Production Name)	NUB1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NUB1
别名 (Alternative Names)	NUB1; NYREN18; NEDD8 ultimate buster 1; Negative regulator of ubiquitin-like proteins 1; Renal carcinoma antigen NY-REN-18
基因 ID (Gene ID)	51667.0
蛋白 ID (SwissProt ID)	Q9Y5A7.The antiserum was produced against synthesized peptide derived from human NYREN18. AA range:566-615

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	70kDa

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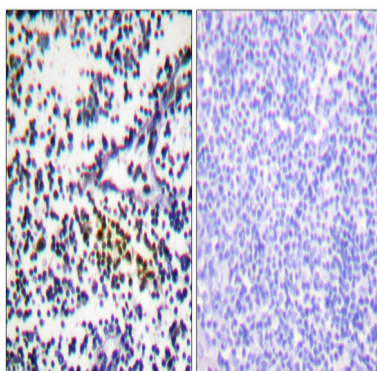
研究背景 (Background)

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 function: Specific down-regulator of the NEDD8 conjugation system. Recruits NEDD8 and its conjugates to the proteasome for degradation. Isoform 1 promotes the degradation of NEDD8 more efficiently than isoform 2. Induction: By beta and gamma interferons. Similarity: Contains 3 UBA domains. Subcellular location: Predominantly nuclear. Subunit: Directly interacts with NEDD8 and PSMD4/S5a, a member of the regulatory subunit of the 26S proteasome. Isoform 1 binds to NEDD8 more efficiently than isoform 2. Interacts with AIPL1. Tissue specificity: Widely expressed with lowest expression in the pancreas for isoform 1 and in leukocytes, liver, prostate and skeletal muscle for isoform 2.

研究领域 (Research Area)

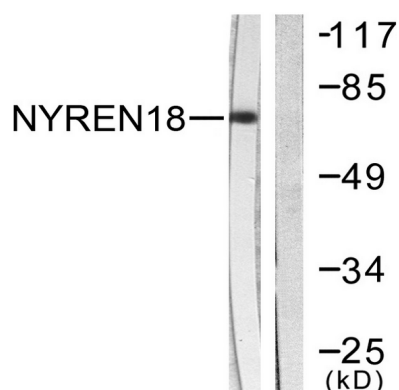
Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Proteasome

图片 (Image Data)

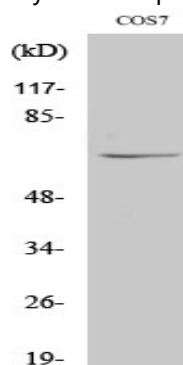


Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using NYREN18 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 cells, using NYREN18 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using NUB1 Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .