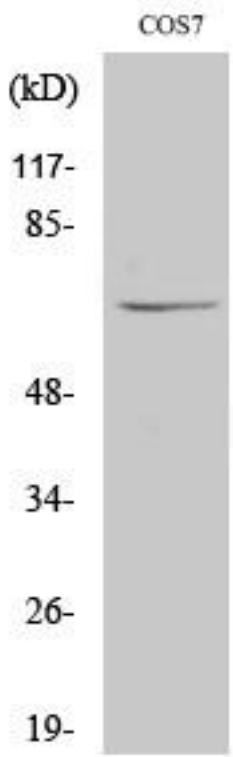
NUB1 Monoclonal Antibody

Catalog No	BYmab-02724
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB
Gene Name	NUB1
Protein Name	NEDD8 ultimate buster 1
Immunogen	The antiserum was produced against synthesized peptide derived from human NYREN18. AA range:566-615
Specificity	NUB1 Monoclonal Antibody detects endogenous levels of NUB1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NUB1; NYREN18; NEDD8 ultimate buster 1; Negative regulator of ubiquitin-like proteins 1; Renal carcinoma antigen NY-REN-18
Observed Band	70kD
Cell Pathway	Nucleus . Predominantly nuclear.
Tissue Specificity	Widely expressed with lowest expression in the pancreas for isoform 1 and in leukocytes, liver, prostate and skeletal muscle for isoform 2.
Function	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.,

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 splici
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NUB1 Monoclonal Antibody