

NMD3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1948b

Product Information

Application	WB, E
Primary Accession	Q96D46
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB9708
Calculated MW	57603
Antigen Region	410-440

Additional Information

Gene ID	51068
Other Names	60S ribosomal export protein NMD3, hNMD3, NMD3
Target/Specificity	This NMD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-440 amino acids from the C-terminal region of human NMD3.
Dilution	WB~~1:1000 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	NMD3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NMD3
Function	Acts as an adapter for the XPO1/CRM1-mediated export of the 60S ribosomal subunit.
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between the nucleus/nucleolus and the

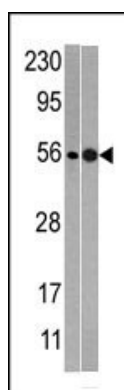
Background

It has been suggested that NMD3 is a cytoplasmic factor required for a late cytoplasmic assembly step of the 60S subunit but is not a ribosomal protein. A mutation in NMD3 was found to be lethal in the absence of XRN1, which encodes the major cytoplasmic exoribonuclease responsible for mRNA turnover. The NMD3 protein sequence does not contain readily recognizable motifs of known function. However, NMD3 orthologues display an amino-terminal domain containing four repeats of Cx2C, reminiscent of zinc-binding proteins, implicated in nucleic acid binding or protein oligomerization.

References

Trotta, C.R., et al., EMBO J. 22(11):2841-2851 (2003).
Ho, J.H. et al., Mol. Cell. Bio., 19(3):2389-2399 (1999).

Images



Western blot analysis of anti-NMD3 Pab (Cat. #AP1948b) in mouse heart (left) and T47D (right) tissue lysates (35ug/lane). NMD3 (arrow) was detected using the purified Pab.

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