

NRDE2 Rabbit pAb

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Catalog # AP57483

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H7Z3
Reactivity	Human, Mouse
Predicted	Rat, Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	132673
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NRDE2
Epitope Specificity	551-650/1164
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	55051
Other Names	Nuclear exosome regulator NRDE2, Protein NRDE2 homolog, NRDE2 (HGNC:20186)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	NRDE2 (HGNC:20186)
Function	Protein of the nuclear speckles that regulates RNA degradation and export from the nucleus through its interaction with MTREX an essential factor directing various RNAs to exosomal degradation (PubMed: 30842217). Changes the conformation of MTREX, precluding its association with the nuclear exosome and interaction with proteins required for its function in RNA exosomal degradation (PubMed: 30842217). Negatively regulates, for instance, the degradation of mRNAs and lncRNAs by inhibiting their

MTREX-mediated recruitment to nuclear exosome (PubMed:[30842217](#)). By preventing the degradation of RNAs in the nucleus, it promotes their export to the cytoplasm (PubMed:[30842217](#)). U5 snRNP-associated RNA splicing factor which is required for efficient splicing of CEP131 pre-mRNA and plays an important role in centrosome maturation, integrity and function during mitosis (PubMed:[30538148](#)). Suppresses intron retention in a subset of pre-mRNAs containing short, GC-rich introns with relatively weak 5' and 3' splice sites (PubMed:[30538148](#)). Plays a role in DNA damage response (PubMed:[29902117](#)).

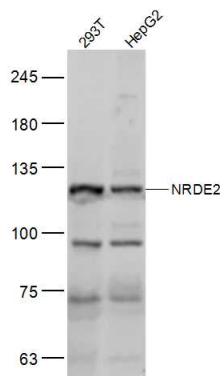
Cellular Location

Nucleus speckle. Nucleus, nucleolus. Nucleus, nucleoplasm. Nucleus

Background

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Images



Sample:

293T(Human) Cell Lysate at 30 ug

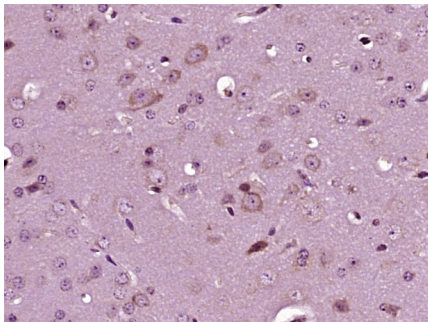
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-NRDE2 (AP57483) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 132 kD

Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NRDE2) Polyclonal Antibody, Unconjugated (AP57483) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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