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# NRDE2 Rabbit pAb

NRDE2 Rabbit pAb
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

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|---|---|
| **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

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|---|---|
| **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 |

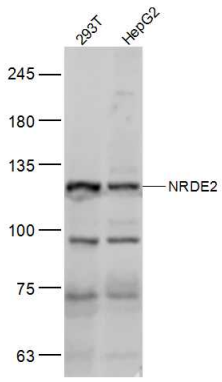
MTREX-mediated recruitment to nuclear exosome (PubMed:30842217). By preventing the degradation of RNAs in the nucleus, it promotes their export to the cytoplasm (PubMed:30842217). U5 snRNP-associated RNA splicing factor which is required for efficient splicing of CEP131 pre-mRNA and plays an important 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

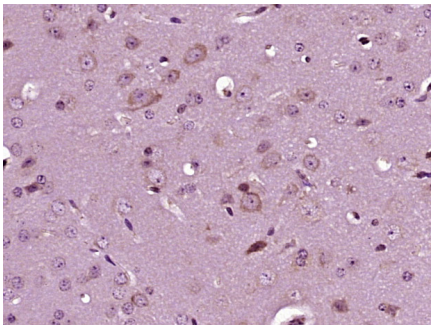
## Background

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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) instructionsand DAB staining.

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