

Product Datasheet

RENT1/UPF1/hUPF1 Antibody - BSA Free NB100-368

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-368

RENT1/UPF1/hUPF1 Antibody - BSA Free

| Product Information | |
|---------------------|---------------------------------------|
| Unit Size | 100 ul |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Polyclonal |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

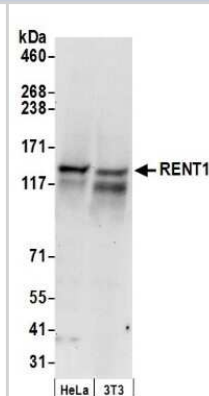
| Product Description | |
|---------------------|--|
| Host | Goat |
| Gene ID | 5976 |
| Gene Symbol | UPF1 |
| Species | Human, Mouse |
| Immunogen | The immunogen recognized by this antibody maps to a region between residue 250 and 300 of human Regulator of Nonsense Transcripts 1 (up-frameshift mutation 1 homolog) using the numbering given in entry NP_002902.2 (GeneID 5976). |

| Product Application Details | |
|-----------------------------|------------------------------|
| Applications | Western Blot |
| Recommended Dilutions | Western Blot 1:1000 - 1:2500 |

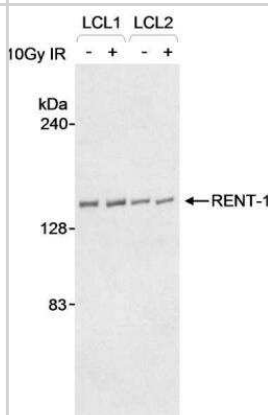


Images

Western Blot: RENT1/UPF1/hUPF1 Antibody [NB100-368] - Samples: Whole cell lysate (50 ug) from HeLa and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-RENT1 antibody used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: RENT1/UPF1/hUPF1 Antibody [NB100-368] - Whole cell lysate (30 ug) from lymphoblastoid cell lines (EBV-immortalized B-cell from a normal individual). Antibody used at 1 ug/ml.



Publications

Shi Y, Parag S, Patel R et al. Stabilization of lncRNA GAS5 by a Small Molecule and Its Implications in Diabetic Adipocytes. *Cell Chem Biol* 2019-01-09 [PMID: 30661991] (WB, Human)

de Turris V, Nicholson P, Orozco RZ et al. Cotranscriptional effect of a premature termination codon revealed by live-cell imaging. *RNA* 2011-12-01 [PMID: 22028363]

Peixeiro I, Inacio a, Barbosa C et al. Interaction of PABPC1 with the translation initiation complex is critical to the NMD resistance of AUG-proximal nonsense mutations. *Nucleic Acids Res* 2012-02-01 [PMID: 21989405]

Boudoukha S, Cuvelier S, Polesskaya A. et al. Role of the RNA-binding protein IMP-2 in muscle cell motility. *Mol Cell Biol* 2010-10-18 [PMID: 20956565]

Valacca C, Bonomi S, Buratti E et al. Sam68 regulates EMT through alternative splicing-activated nonsense-mediated mRNA decay of the SF2/ASF proto-oncogene. *J Cell Biol* 2010-10-01 [PMID: 20876280]

Wittkopp N, Huntzinger E, Weiler C et al. Nonsense-mediated mRNA decay effectors are essential for zebrafish embryonic development and survival. *Mol Cell Biol* 2009-07-01 [PMID: 19414594]

Muller B, Blackburn J, Feijoo C et al. DNA-activated protein kinase functions in a newly observed S phase checkpoint that links histone mRNA abundance with DNA replication. *J Cell Biol* 2007-12-01 [PMID: 18158334]

Boutz PL, Stoilov P, Li Q et al. A post-transcriptional regulatory switch in polypyrimidine tract-binding proteins reprograms alternative splicing in developing neurons. *Genes Dev* 2007-07-01 [PMID: 17606642]

Ni JZ, Grate L, Donohue JP et al. Ultraconserved elements are associated with homeostatic control of splicing regulators by alternative splicing and nonsense-mediated decay. *Genes Dev* 2007-03-01 [PMID: 17369403]

Silva AL, Pereira FJ, Morgado A et al. The canonical UPF1-dependent nonsense-mediated mRNA decay is inhibited in transcripts carrying a short open reading frame independent of sequence context. *RNA* 2006-12-01 [PMID: 17077274]



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Products Related to NB100-368

| | |
|--------------------|--|
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control |
| H00005976-Q01-10ug | Recombinant Human RENT1/UPF1/hUPF1 GST (N-Term) Protein |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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