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Datasheet for 600-401-AU9

DENR Antibody

Overview

Description:	Anti-DENR (RABBIT) Antibody - 600-401-AU9
Item No.:	600-401-AU9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	DENR (density-regulated protein), also designated DRP or smooth muscle cell associated protein 3 (SMAP-3), is a 198 amino acid protein that may be involved in the translation of target mRNAs by scanning and recognition of the initiation codon (1). It plays a role in the modulation of the translational profile of a subset of cancer-related mRNAs when recruited to the translational initiation complex by the oncogene MCTS1 (2,3). DENR contains a SUI1 domain and is found in a variety of tissues with highest levels present in skeletal and cardiac muscle. It is up-regulated in ovarian and breast cancer cells by ERBB2 overexpression (4).
Synonyms:	DENR Antibody, DRP, DRP1, SMAP-3, H14, Density-regulated protein, Protein DRP1, DRP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DENR
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DENR antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the internal region of human DENR.

Purity/Specificity:	Anti-DENR antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DENR antibody is human, mouse and rat reactive.
Relevant Links:	• UniProtKB - O43583 • GeneID - 8562 • NCBI - NP_003668

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DENR Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 22 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

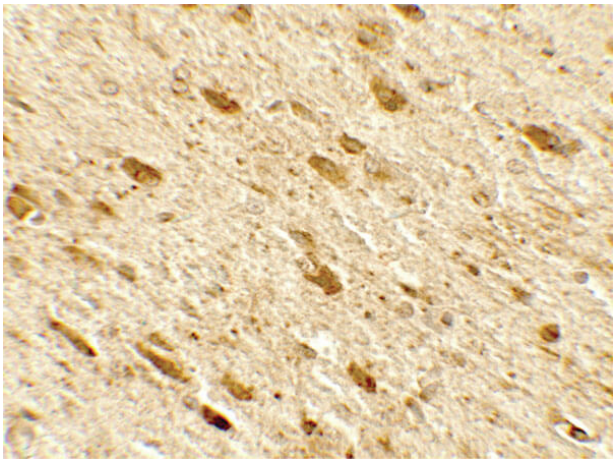
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

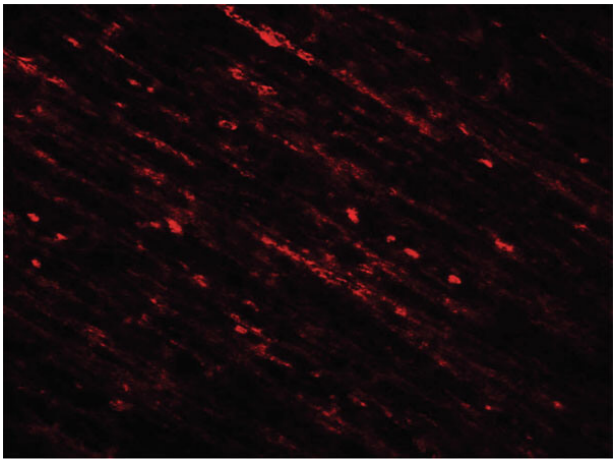
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

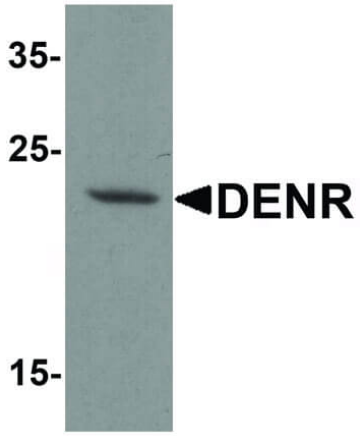
Images



Immunohistochemistry
Immunohistochemistry of Rabbit anti-DENR antibody. Tissue: rat brain tissue. Primary antibody: DENR antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Staining: DENR as precipitated brown signal.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-DENR antibody. Tissue: rat brain. Primary antibody: DENR antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:5,000. Staining: DENR as red fluorescent signal.



Western Blot
Western Blot of Rabbit anti-DENR antibody. Lane A: human brain tissue lysate. Primary antibody: DENR antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 22 kDa, 22 kDa for DENR.

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Disclaimer

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