

Rabbit Anti-Density Regulated Protein antibody

SL14276R

Product Name Density Regulated Protein

Chinese Name 密度调节蛋白抗体

Alias denr; DENR_HUMAN; Density regulated protein; Density-regulated protein; DRP; DRP1; DRP1 protein; Protein DRP1; SMAP-3; SMAP3; Smooth muscle cell associated protein 3; Smooth muscle cell-associated protein 3.

Research Area Tumour Transporter Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse, (predicted: Human, Rat, Chicken, Dog, Pig, Cow, Horse, Sheep,)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 22kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Density Regulated Protein: 51-150/198

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

This gene encodes a protein whose expression was found to increase in cultured cells at high density but not during growth arrest. This gene was also shown to have increased expression in cells overexpressing HER-2/neu proto-oncogene. The protein contains an SUI1 domain. In budding yeast, SUI1 is a translation initiation factor that along with eIF-2 and the initiator tRNA-Met, directs the ribosome to the proper translation start site. Proteins similar to SUI have been found in mammals, insects, and plants. [provided by RefSeq, Jul 2008]

Function:

May be involved in the translation of target mRNAs by scanning and recognition of the initiation codon. 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.

Tissue Specificity:

Highly expressed in heart and skeletal muscle and moderately expressed in the brain, placenta, liver and pancreas. Weakly expressed in the lung and kidney.

Similarity:

Belongs to the DENR family.
Contains 1 SUI1 domain.

**Product
Detail**

SWISS:
O43583

Gene ID:
8562

Database links:

[Entrez Gene: 8562](#) Human

[Entrez Gene: 771794](#) Chicken

[Entrez Gene: 614238](#) Cow

[Entrez Gene: 68184](#) Mouse

[Entrez Gene: 360806](#) Rat

[Entrez Gene: 444615](#) Xenopus laevis

[Omim: 604550](#) Human

[SwissProt: Q5ZJ39](#) Chicken

[SwissProt: Q2HJ47](#) Cow

[SwissProt: O43583](#) Human

[SwissProt: Q9CQJ6](#) Mouse

[SwissProt: Q6GLZ1](#) Xenopus laevis

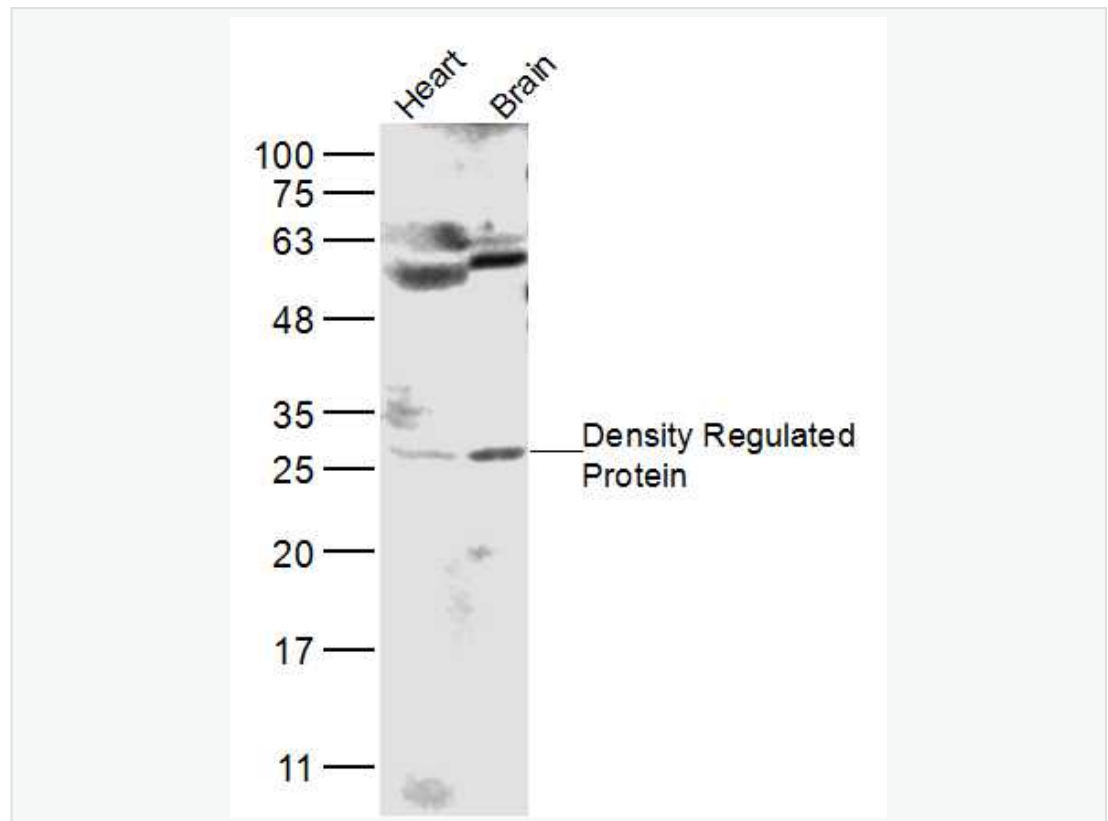
[SwissProt: Q6DFN7](#) Xenopus tropicalis

[Unigene: 22393](#) Human

[Unigene: 28549](#) Mouse

[Unigene: 7540](#) Xenopus laevis

**Product
Picture**



Sample:

Heart (Mouse) Lysate at 40 ug

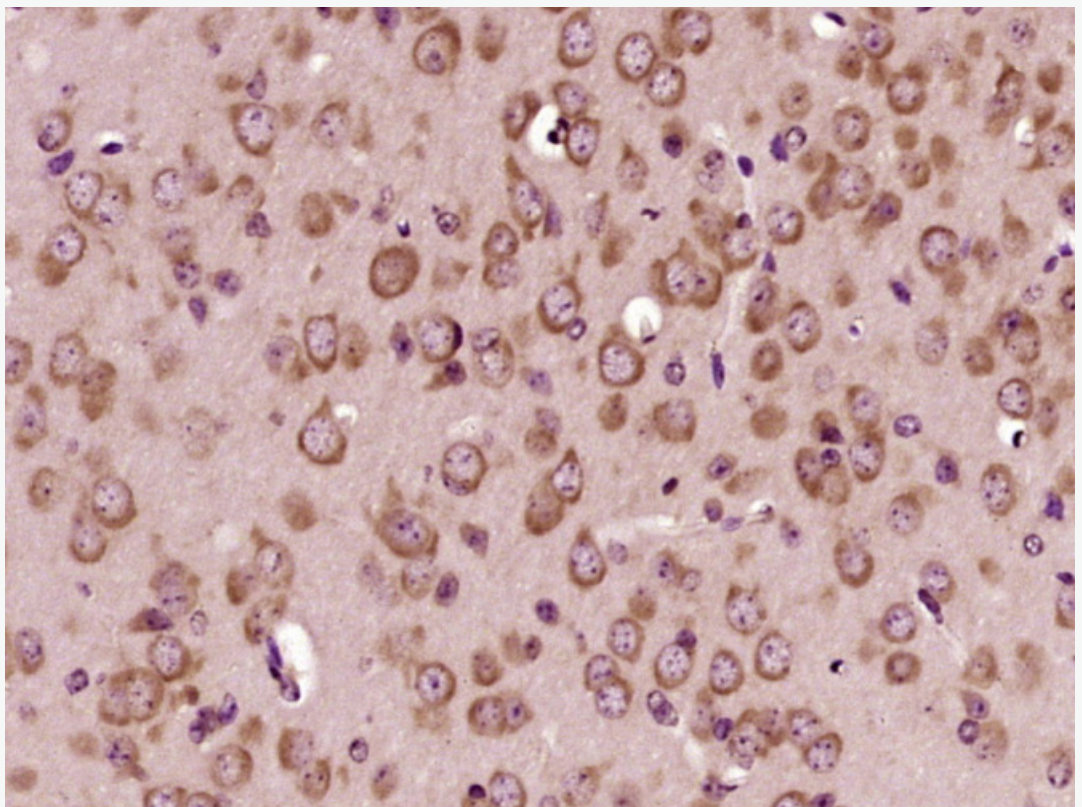
Brain (Mouse) Lysate at 40 ug

Primary: Anti-Density Regulated Protein (SL14276R) at 1/300 dilution

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

Predicted band size: 22 kD

Observed band size: 22 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Density Regulated Protein) Polyclonal Antibody, Unconjugated (SL14276R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.