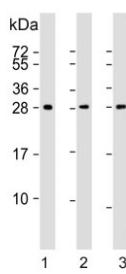


## Density Regulated Protein Antibody / DENR [clone 1542CT106.51.79] (F54483)

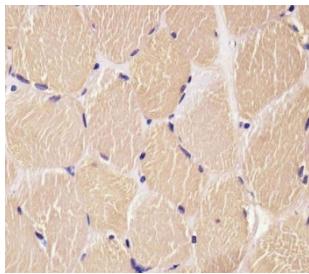
Catalog No.	Formulation	Size
F54483-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54483-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

**Bulk quote request**

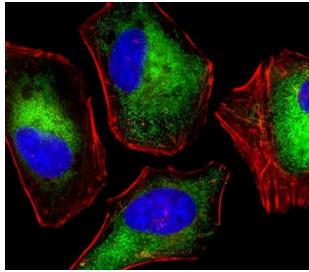
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	IgG2b,k
<b>Clone Name</b>	1542CT106.51.79
<b>Purity</b>	Protein G affinity
<b>UniProt</b>	O43583
<b>Applications</b>	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10 <sup>6</sup> cells) Immunofluorescence : 1:25
<b>Limitations</b>	This Density Regulated Protein antibody is available for research use only.



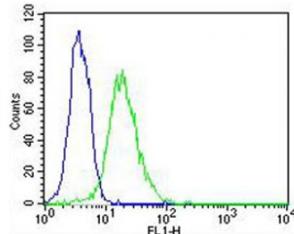
Western blot testing of human 1) A431, 2) skeletal muscle and 3) brain lysate with Density Regulated Protein antibody. Expected molecular weight ~22 kDa (unmodified), 27-31 kDa (modified).



IHC testing of FFPE human skeletal muscle tissue with Density Regulated Protein antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with Density Regulated Protein antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Flow cytometry testing of fixed and permeabilized human HeLa cells with Density Regulated Protein antibody; Blue=isotype control, Green= Density Regulated Protein antibody.

## Description

May be involved in the translation of target mRNAs by scanning and recognition of the initiation codon. Involved in translation initiation; promotes recruitment of aminoacylated initiator tRNA to P site of 40S ribosomes. Can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits. 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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Density Regulated Protein antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Recombinant human protein was used as the immunogen for the Density Regulated Protein antibody.

## Storage

Aliquot the Density Regulated Protein antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

