



Rabbit Anti-DRG1 antibody

SL20290R

Product Name:	DRG1
Chinese Name:	GTP发育调控Binding protein1抗体
Alias:	Developmentally regulated GTP binding protein 1; Developmentally-regulated GTP-binding protein 1; DRG 1; DRG-1; DRG1; DRG1_HUMAN; NEDD 3; NEDD-3; NEDD3; Neural precursor cell expressed developmentally down regulated protein 3; Neural precursor cell expressed developmentally down-regulated protein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DRG1:301-367/367
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	May play a role in cell proliferation, differentiation and death.High levels in skeletal muscle, heart, and kidney. Intermediate levels in liver, placenta and brain. Low levels in colon, thymus, spleen, small intestine, lung and leukocytes.

Function:

Critical regulator of cell growth under specific conditions. Implicated in differentiation and cell cycle arrest.

Subunit:

Interacts (via its C-terminal) with TAL1. Interacts with ZC3H15; the interaction forms a polysomal DRG1-DFRP1/ZC3H15 complex which provides protein stability to DRG1 possibly by blocking poly-ubiquitination. Interacts with STK16; the interaction phosphorylates STK16

Subcellular Location:

Cytoplasm. Note=The DRG1-DFRP2/ZC3H15 complex associates with polysomes.

Tissue Specificity:

High levels in skeletal muscle, heart, and kidney. Intermediate levels in liver, placenta and brain. Low levels in colon, thymus, spleen, small intestine, lung and leukocytes.

Post-translational modifications:

Sumoylated by UBE2I in response to MEKK1-mediated stimuli.

Similarity:

Belongs to the GTP1/OBG family.

Contains 1 G (guanine nucleotide-binding) domain.

SWISS:

Q9Y295

Gene ID:

4733

Database links:

[Entrez Gene: 4733](#)Human

[Entrez Gene: 13494](#)Mouse

[Entrez Gene: 305470](#)Rat

[Omim: 603952](#)Human

[SwissProt: Q9Y295](#)Human

[SwissProt: P32233](#)Mouse

[SwissProt: Q5I0F0](#)Rat

[Unigene: 115242](#)Human

[Unigene: 3250](#)Mouse

[Unigene: 102143](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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