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### Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:5000, WB:1:500-1:2000,  
IHC:1:50-1:200

**Protein Background:**

DRG1 (developmentally regulated GTP binding protein 1), also known as NEDD3 (neural precursor cell expressed developmentally down-regulated protein 3), is a 367 amino acid, protein that localizes to the cytoplasm and belongs to the GTP1/OBG family. Expressed at high levels in heart, kidney and skeletal muscle and at lower levels in brain, liver, placenta, lung, colon and spleen, DRG1 binds to TAL1 and TAL2 and is thought to play a role in cell proliferation and differentiation, as well as in apoptosis, suggesting a role in tumor formation and metastasis. DRG1 is subject to polyubiquitination and sumoylation, the former of which induces proteolytic degradation. The gene encoding DRG1 maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia.

**Gene ID:**

DRG1

**Uniprot**

Q9Y295

**Synonyms:**

developmentally regulated GTP binding protein 1

**Immunogen:**

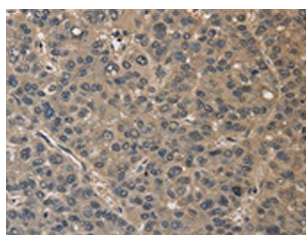
Fusion protein of human DRG1.

**Storage:**

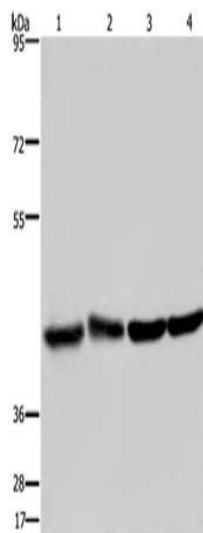
-20°C; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

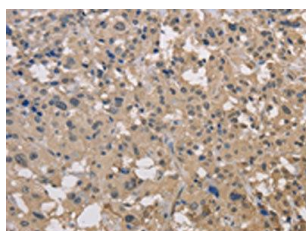
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The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using PACO16202(DRG1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x—200).



Gel: 6%SDS-PAGE, Lysate: 40 &mu; g, Lane 1-4: Human fetal liver tissue, Human brain tissue, 293T cells, Hela cells, Primary antibody: PACO16202(DRG1 Antibody) at dilution 1/350, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 20 seconds.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO16202(DRG1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x—200).