Datasheet for ABIN7236838
anti-DRG1 antibody

## 3 Images

## Overview

| Quantity: | $200 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | DRG1 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DRG1 antibody is un-conjugated |
| Wesplication: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| Immunogen: | Recombinant protein of human DRG1 |
| :--- | :--- |
| Isotype: | IgG |
| Characteristics: | Affinity purification |
| Purification: | DRG1 |
| Target Details | DRG1 (DRG1 Products) |
| Target: | DRG1 (developmentally regulated GTP binding protein 1), also known as NEDD3 (neural <br> Alternative Name: |
| Background: | protein that localizes to the cytoplasm and belongs to the GTP1/OBG family. Expressed at high <br> levels in heart, kidney and skeletal muscle and at lower levels in brain, liver, placenta, lung, colon |

## Target Details

|  | 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. |
| :---: | :---: |
| Molecular Weight: | 41 kDa |
| UniProt: | Q9Y295 |
| Application Details |  |
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $0.5 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | PBS with 0.05 \% sodium azide and 50 \% glycerol, PH7.4 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. |



Immunohistochemistry (Paraffin-embedded Sections)
Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer using DRG1 Polyclonal Antibody at dilution of 1:30


## Western Blotting

Image 2. Western Blot analysis of Human fetal liver and brain tissue, 293T and Hela cell using DRG1 Polyclonal Antibody at dilution of 1:350

Immunohistochemistry (Paraffin-embedded Sections)
Image 3. Immunohistochemistry of paraffin-embedded Human thyroid cancer using DRG1 Polyclonal Antibody at dilution of 1:30

