

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **ARHGDIB RABBIT PAB**

Cat.#: S221397

**Product Name:** Anti-ARHGDIB Rabbit Polyclonal Antibody

**Synonyms:** D4; GDIA2; GDID4; LYGDI; Ly-GDI; RAP1GN1; RhoGDI2

UNIPROT ID: P52566 (Gene Accession - NP\_001166)

**Background:** Members of the Rho (or ARH) protein family and other Ras-related small GTPbinding proteins are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTPbound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases.

Immunogen: Synthetic peptide of human ARHGDIB

**Applications:** ELISA, WB, IHC

Recommended Dilutions: IHC: 50-100;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

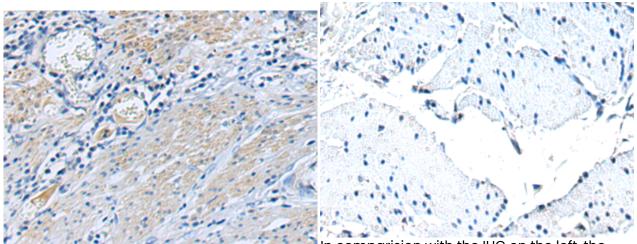
**Research Areas:** Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



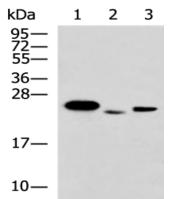
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Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 221397(ARHGDIB Antibody) at a dilution of 1/70(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 221397(Anti-ARHGDIB Antibody) at dilution 1/70.



Gel: 12%SDS-PAGE, Lysate: 40 µg; Lane 1-3: Mouse spleen tissue, Rat spleen tissue, Mouse lung tissue lysates; Primary antibody: 221397(ARHGDIB Antibody) at dilution 1/400; Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution; Exposure time: 5 seconds