

Datasheet for ABIN7118317 **anti-RASGRF1 antibody**



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Overview

Quantity:	100 µg
Target:	RASGRF1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASGRF1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Ras protein-specific guanine nucleotide-releasing factor 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	RASGRF1
Alternative Name:	RASGRF1 (RASGRF1 Products)
Background:	Synonyms: CDC25, GNRP, GRF1 Background: The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) similar to the <i>Saccharomyces cerevisiae</i> CDC25 gene product. Functional analysis has demonstrated that this protein stimulates the dissociation of GDP from RAS protein. The studies of the similar gene in mouse suggested that the Ras-GEF

Target Details

activity of this protein in brain can be activated by Ca²⁺ influx, muscarinic receptors, and G protein beta-gamma subunit. Mouse studies also indicated that the Ras-GEF signaling pathway mediated by this protein may be important for long-term memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

Molecular Weight: 145 kDa

Gene ID: 5923

UniProt: [Q13972](#)

Pathways: [RTK Signaling](#), [Cell Division Cycle](#), [M Phase](#)

Application Details

Application Notes: WB: 1:500 - 1:2000, IHC: 1:50 - 1:200, IF: 1:50 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3 ,

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 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months