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Datasheet for ABIN5009616

## anti-RASGRF1 antibody (pSer929) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	RASGRF1
Binding Specificity:	pSer929
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASGRF1 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human RasGRF1 around the phosphorylation site of Ser929
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	RASGRF1
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## Target Details

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Alternative Name: RASGRF1 ([RASGRF1 Products](#))

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Background: Synonyms: RASGRF1phospho S929, RASGRF1phospho Ser929, p-RASGRF1S929, p-RASGRF1Ser929, CDC25, CDC25L, GNRP, GRF1, GRF55, Guanine nucleotide exchange factor, Guanine nucleotide releasing factor 55 kD, Guanine nucleotide releasing protein, HGRF55, PP13187, Ras protein specific guanine nucleotide releasing factor 1, Ras specific guanine nucleotide releasing factor, Ras specific guanine nucleotide releasing factor CDC25 homolog, Ras specific nucleotide exchange factor CDC25.

Background: The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) similar to the *Saccharomyces cerevisiae* 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 activity of this protein in brain can be activated by Ca<sup>2+</sup> 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. [provided by RefSeq, Mar 2009]

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Gene ID: 5923

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

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## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months