

Datasheet for ABIN2789624
anti-RASGRP1 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	RASGRP1
Binding Specificity:	C-Term
Reactivity:	Human, Guinea Pig, Mouse, Rabbit, Cow, Dog, Horse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASGRP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	LGAKDLLHAP EEGPFTFPNG EAVEHGEEKS DRTIMLMGVS SQKISLRLKR
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 79%, Rabbit: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against RASGRP1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RASGRP1
Alternative Name:	RASGRP1 (RASGRP1 Products)
Background:	This gene is a member of a family of genes characterized by the presence of a Ras superfamily

Target Details

guanine nucleotide exchange factor (GEF) domain. It functions as a diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP. It activates the Erk/MAP kinase cascade and regulates T-cells and B-cells development, homeostasis and differentiation. Alternatively spliced transcript variants encoding different isoforms have been identified. Altered expression of the different isoforms of this protein may be a cause of susceptibility to systemic lupus erythematosus (SLE).

Alias Symbols: CALDAG-GEFI, CALDAG-GEFII, MGC129998, MGC129999, RASGRP, V, hRasGRP1

Protein Interaction Partner: Dlg4, ABCB8, DGKZ, HRAS, VHL, PPM1B,

Protein Size: 797

Molecular Weight: 90 kDa

Gene ID: 10125

NCBI Accession: [NM_005739](#), [NP_005730](#)

UniProt: [O95267](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 797 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

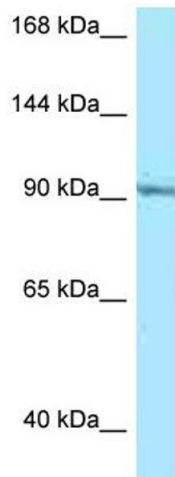
Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RASGRP1 Antibody Titration:

1.0 µg/mL

Positive Control: Jurkat Whole Cell

RASGRP1 is supported by BioGPS gene expression data to be expressed in Jurkat