

[Go to Product page](#)

## Datasheet for ABIN5564284 **anti-RASGRP2 antibody (C-Term)**

### Overview

Quantity:	100 µL
Target:	RASGRP2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Synthetic peptide corresponding to a human RasGRP2 sequence located at the C-terminus of the RasGEF domain.
Specificity:	Recognizes human and mouse RasGRP2.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	Antigen affinity purified.

### Target Details

Target:	RASGRP2
Alternative Name:	RasGRP2 ( <a href="#">RASGRP2 Products</a> )
Background:	RasGRP2 functions as a calcium- and DAG-regulated nucleotide exchange factor specifically activating small GTPases, including Rap1/RAS3, through the exchange of bound GDP for GTP. It may also activate other GTPases such as RRAS, RRAS2, NRAS, KRAS but not HRAS. The

## Target Details

protein is expressed in platelets, neutrophils and T lymphocytes. RasGRP2 functions in aggregation of platelets and adhesion of T lymphocytes and neutrophils probably through inside-out integrin activation. S587 was identified as the major PKA phosphorylation. Phosphorylation of S587 correlated with the inhibitory effect of PKA on Rap1b activation in platelets. In vitro, ERK1/2 phosphorylates RasGRP2 at Ser394 to limit its exchange activity and inhibits its ability to activate the small GTPase Rap1 that ultimately leads to decreased activation of ERK1/2 in cells.

UniProt: [Q7LDG7](#)

Pathways: [TCR Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 2 mg/mL BSA and 0.05 % sodium azide.

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: 4 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: +4°C  
Stable for at least 6 months after receipt when stored at +4°C.

Expiry Date: 6 months