

Datasheet for ABIN2787279  
**anti-RIC8A antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	RIC8A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Rabbit, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIC8A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RIC8A
Sequence:	KLTERVGLYR ERSFPHDVQF FDLRLLFLLT ALRTDVRQQL FQELKGVRL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RIC8A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	RIC8A
Alternative Name:	RIC8A ( <a href="#">RIC8A Products</a> )

## Target Details

Background:	<p>RIC8A is a guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. RIC8A is able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. RIC8A is involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. RIC8A also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.</p> <p>Alias Symbols: MGC104517, MGC131931, MGC148073, MGC148074, RIC8, synembryn</p> <p>Protein Interaction Partner: NECAB2, UBQLN1, RABAC1, UBC, EFEMP1, SDCBP, NUTM1, SARNP, WDR61, DPP7, PAPSS2, EZR, UBA1, RPL38, PYGB, PLCG1, MC1R, APEX1, GNAQ, XPO1, GNAI1, UBQLN4, ZNF585B, RIC8A, MAPK8IP3, GNA13, TERF1, GNAI3, GNAI2, GNAS, GNAO1, TUBB2A,</p> <p>Protein Size: 537</p>
Molecular Weight:	60 kDa
Gene ID:	60626
NCBI Accession:	<a href="#">NM_021932</a> , <a href="#">NP_068751</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Feeding Behaviour</a> , <a href="#">Asymmetric Protein Localization</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 537 AA
Restrictions:	For Research Use only

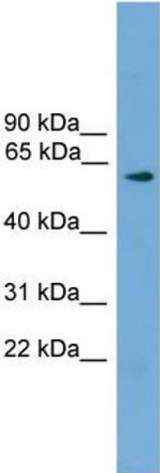
## Handling

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

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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



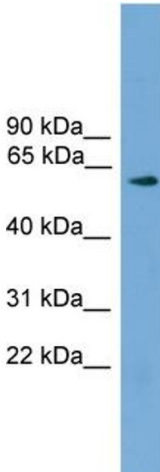
90 kDa\_\_  
65 kDa\_\_  
40 kDa\_\_  
31 kDa\_\_  
22 kDa\_\_

**Western Blotting**

**Image 1. WB Suggested Anti-RIC8A Antibody Titration:**

0.2-1 ug/ml

**Positive Control:** THP-1 cell lysate



90 kDa\_\_  
65 kDa\_\_  
40 kDa\_\_  
31 kDa\_\_  
22 kDa\_\_

**Rabbit Anti-RIC8A Antibody**  
**Catalog Number:** ARP57567  
**Lot Number:** QC28524  
**Lane:** THP-1 Cell Lysate

**Antibody Titration:** 1.0µg/ml  
**Gel Concentration:** 12%

**Western Blotting**

**Image 2. WB Suggested Anti-RIC8A**

Antibody Titration: 0.2-1 µg/mL

Positive Control: THP-1 cell lysate