Datasheet for ABIN2856525

anti-RIC8A antibody (C-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	RIC8A
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIC8A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human RIC8A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Rat (100 %), Bovine (100 %)
Characteristics:	Rabbit Polyclonal antibody to RIC8A (resistance to inhibitors of cholinesterase 8 homolog A (C. elegans)) RIC8A antibody
Purification:	Purified by antigen-affinity chromatography.

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Target Details

Target:	RIC8A
Alternative Name:	RIC8A (RIC8A Products)
Background:	Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. 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 (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.
Molecular Weight:	60 kDa
Gene ID:	60626
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Feeding Behaviour, Asymmetric Protein Localization

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: A431 , H1299 , HeLa , HepG2 , Raji
Restrictions:	For Research Use only

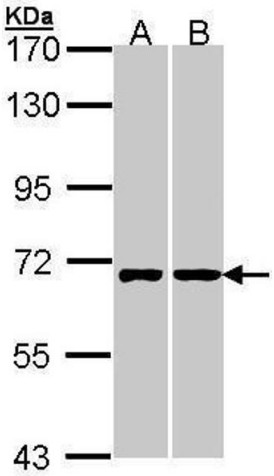
Handling

Format:	Liquid
Concentration:	0.85 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

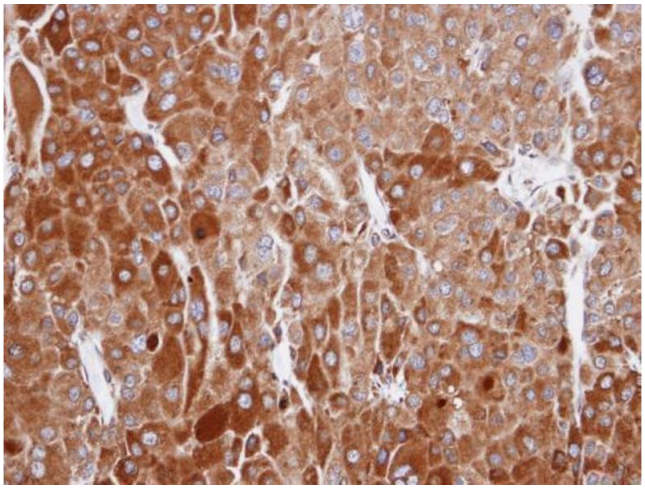
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 , B: Hela 7.5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human adrenal cortical tumor, using RIC8A, antibody at 1:100 dilution.