Mouse RIC8A Monoclonal Antibody | anti-RIC8A antibody

RIC8A antibody

CATALOG #	HOST	APPLICATIONS
AAA107512	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence**

PRODUCT SYNONYMS

RIC8A; Monoclonal Antibody; RIC8A antibody; Monoclonal RIC8A; Anti-RIC8A; Resistance To Inhibitors Of Cholinesterase 8 Homolog A; MGC104517; MGC131931; MGC148073; MGC148074; RIC8; synembryn; RICA 8; RICA-8; anti-RIC8A antibody

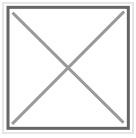
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3G3
Purity/Purification	RIC8A antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	537
Applicable Applications for anti-RIC8A antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	RIC8A antibody was raised in mouse using a full length recombinant protein of human RIC8A (NP_068751) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemical analysis of RIC8A protein in paraffin embedded Human kidney tissue using RIC8A antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RIC8A protein (Right) or empty vector (Left) detected with RIC8A antibody



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant RIC8A protein using RIC8A antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RIC8A antibody	Mouse monoclonal RIC8A antibody
Product Categories/Family for anti-RIC8A antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27883866
NCBI GeneID	60626
NCBI Accession #	NP_068751
NCBI GenBank Nucleotide #	NM_021932.4
UniProt Accession #	Q9NPQ8; Q0P508; Q2T9J1; Q7Z352; Q96EZ1; Q96SZ2; Q9H064; Q9H5H3; Q9H9E7
Molecular Weight	59,612 Da
NCBI Official Full Name	synembryn-A isoform 1
NCBI Official Synonym Full Names	RIC8 guanine nucleotide exchange factor A
NCBI Official Symbol	RIC8A
NCBI Official Synonym Symbols	RIC8
NCBI Protein Information	synembryn-A
UniProt Protein Name	Synembryn-A
UniProt Gene Name	**RIC8A**
UniProt Entry Name	RIC8A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ric8a-antibody-clone-3g3-western-blot-immunohistochemistry-immunofluorescence-elisa/107512