



# Anti-RIC8A monoclonal antibody, clone 4H4 (DCABH-728)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to RIC8A
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant full length Human RIC8A produced in HEK293T cells (NP_068751).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4H4
<b>Purification</b>	This antibody is purified from Mouse ascites fluid by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, ICC/IF
<b>Positive Control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY RIC8A; Human kidney tissue; cells transiently transfected by pCMV6-ENTRY RIC8A and HepG2 cells.
<b>Format</b>	Liquid

<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RIC8A resistance to inhibitors of cholinesterase 8 homolog A (C. elegans) [ Homo sapiens ]</a>
<b>Official Symbol</b>	RIC8A
<b>Synonyms</b>	RIC8A; resistance to inhibitors of cholinesterase 8 homolog A (C. elegans); synembryn-A; synembryn; RIC8; MGC104517; MGC131931; MGC148073; MGC148074;
<b>Entrez Gene ID</b>	<a href="#">60626</a>
<b>Protein Refseq</b>	<a href="#">NP_068751</a>
<b>UniProt ID</b>	<a href="#">Q9NPQ8</a>
<b>Chromosome Location</b>	11p15.5
<b>Function</b>	G-protein alpha-subunit binding; GTPase activator activity; binding; guanyl-nucleotide exchange factor activity;