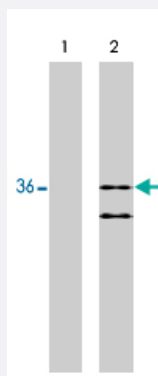


RIT2 monoclonal antibody, clone 27G2

Catalog # MAB2012 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis using RIT2 monoclonal antibody, clone 27G2 (Cat # MAB2012) on 293 cells expressing HA-tagged RIT1 (1) and HA-tagged RIT2 (2).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant RIT2.
Immunogen	Recombinant protein corresponding to full length human RIT2.
Host	Mouse
Reactivity	Human, Mouse
Specificity	This antibody detects recombinant Rin protein. Does not cross-react with Rit protein.
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western blot (0.5 to 1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM sodium phosphate buffer, 150 mM NaCl, pH 7.5 (50% glycerol, 3 mM sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using RIT2 monoclonal antibody, clone 27G2 (Cat # MAB2012) on 293 cells expressing HA-tagged RIT1 (1) and HA-tagged RIT2 (2).

Gene Info — RIT2

Entrez GeneID[6014](#)**Gene Name**

RIT2

Gene Alias

RIBA, RIN, ROC2

Gene Description

Ras-like without CAAX 2

Omim ID[609592](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

RIN belongs to the RAS (HRAS; MIM 190020) superfamily of small GTPases (Shao et al., 1999 [PubMed 10545207]).[supplied by OMIM]

Other Designations

GTP-binding protein Roc2|Ric-like, expressed in neurons

Publication Reference

- [Rit, a non-lipid-modified Ras-related protein, transforms NIH3T3 cells without activating the ERK, JNK, p38 MAPK or PI3K/Akt pathways.](#)

Rusyn EV, Reynolds ER, Shao H, Grana TM, Chan TO, Andres DA, Cox AD.

Oncogene 2000 Sep; 19(41):4685.

- [Biochemical characterization of the Ras-related GTPases Rit and Rin.](#)

Shao H, Kadono-Okuda K, Finlin BS, Andres DA.

Archives of Biochemistry and Biophysics 1999 Nov; 371(2):207.

- [Rin, a neuron-specific and calmodulin-binding small G-protein, and Rit define a novel subfamily of ras proteins.](#)

Lee CH, Della NG, Chew CE, Zack DJ.

Journal of Neuroscience 1996 Nov; 16(21):6784.

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)