

RIT2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16551a**Specification**

RIT2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q99578
Other Accession	Q5BJQ5 , P70425 , NP_002921.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	41-69

RIT2 Antibody (N-term) - Additional Information**Gene ID** 6014**Other Names**

GTP-binding protein Rit2, Ras-like protein expressed in neurons, Ras-like without CAAX protein 2, RIT2, RIN, ROC2

Target/Specificity

This RIT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-69 amino acids from the N-terminal region of human RIT2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RIT2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RIT2 Antibody (N-term) - Protein Information**Name** RIT2

Synonyms RIN, ROC2

Function Binds and exchanges GTP and GDP. Binds and modulates the activation of POU4F1 as gene expression regulator.

Cellular Location

Nucleus. Cell membrane. Note=Colocalizes with PLXNB3 at the plasma membrane (PubMed:16122393).

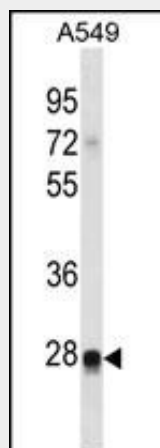
Tissue Location

Neuron-specific.

RIT2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RIT2 Antibody (N-term) - Images

RIT2 Antibody (N-term) (Cat. #AP16551a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the RIT2 antibody detected the RIT2 protein (arrow).

RIT2 Antibody (N-term) - Background

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

RIT2 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Glessner, J.T., et al. Proc. Natl. Acad. Sci. U.S.A. 107(23):10584-10589(2010)

Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)

Sonuga-Barke, E.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1359-1368 (2008) :

Wu, C., et al. Proteomics 7(11):1775-1785(2007)