

RIT1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14501a

Specification

RIT1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q92963
Other Accession	P70426 , NP_008843.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	25145
Antigen Region	41-70

RIT1 Antibody (N-term) - Additional Information

Gene ID 6016

Other Names

GTP-binding protein Rit1, Ras-like protein expressed in many tissues, Ras-like without CAAX protein 1, RIT1, RIBB, RIT, ROC1

Target/Specificity

This RIT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-70 amino acids from the N-terminal region of human RIT1.

Dilution

WB~~1:1000

Format

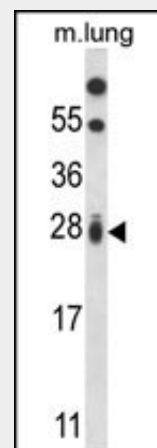
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

RIT1 Antibody (N-term) is for research use



RIT1 Antibody (N-term) (Cat. #AP14501a) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the RIT1 antibody detected the RIT1 protein (arrow).

RIT1 Antibody (N-term) - Background

RIT belongs to the RAS (HRAS; MIM 190020) subfamily of small GTPases (Hynds et al., 2003 [PubMed 12668729]). [supplied by OMIM].

RIT1 Antibody (N-term) - References

- Lee, Y.R., et al. EMBO J. 29(10):1748-1761(2010)
- Katiyar, S., et al. EMBO Rep. 10(8):866-872(2009)
- Sonuga-Barke, E.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1359-1368 (2008) :
- Hu, J., et al. Genes Dev. 22(7):866-871(2008)
- Wu, C., et al. Proteomics 7(11):1775-1785(2007)

only and not for use in diagnostic or therapeutic procedures.

RIT1 Antibody (N-term) - Protein Information

Name RIT1

Synonyms RIBB, RIT, ROC1

Function

Plays a crucial role in coupling NGF stimulation to the activation of both EPHB2 and MAPK14 signaling pathways and in NGF- dependent neuronal differentiation. Involved in ELK1 transactivation through the Ras-MAPK signaling cascade that mediates a wide variety of cellular functions, including cell proliferation, survival, and differentiation.

Cellular Location

Cell membrane.

Tissue Location

Expressed in many tissues.

RIT1 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](#)