

Rit1 Polyclonal Antibody

Catalog # AP72332

Product Information

Application	WB, E, IHC-P
Primary Accession	Q92963
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25145

Additional Information

Gene ID	6016
Other Names	RIT1; RIBB; RIT; ROC1; GTP-binding protein Rit1; Ras-like protein expressed in many tissues; Ras-like without CAAX protein 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	RIT1
Synonyms	RIBB, RIT, ROC1
Function	Plays a crucial role in coupling nerve growth factor (NGF) stimulation to the activation of both EPHB2 and MAPK14 signaling pathways and in NGF-dependent neuronal differentiation (PubMed: 15632082). Involved in ELK1 transactivation through the Ras- MAPK signaling cascade that mediates a wide variety of cellular functions, including cell proliferation, survival, and differentiation (PubMed: 23791108). Recognized by LZTR1, which mediates its ubiquitination by a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex (PubMed: 40934300).
Cellular Location	Cell membrane.
Tissue Location	Expressed in many tissues.

Background

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.

Images



Western Blot analysis of various cells using Rit1
Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.