

Rit1 Rabbit pAb

CatalogNo: YT4149

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA, IHC

MW

- 25kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

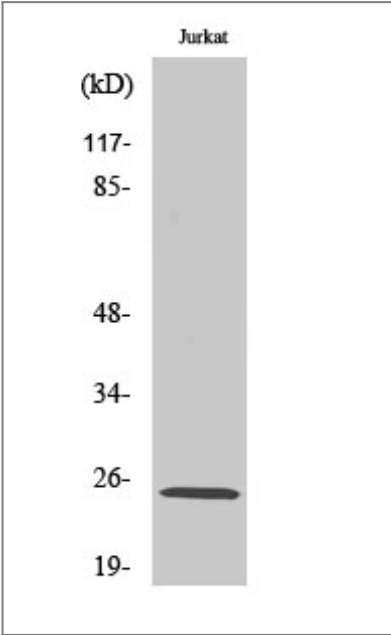
Immunogen The antiserum was produced against synthesized peptide derived from human RIT1. AA range:170-219

Specificity Rit1 Polyclonal Antibody detects endogenous levels of Rit1 protein.

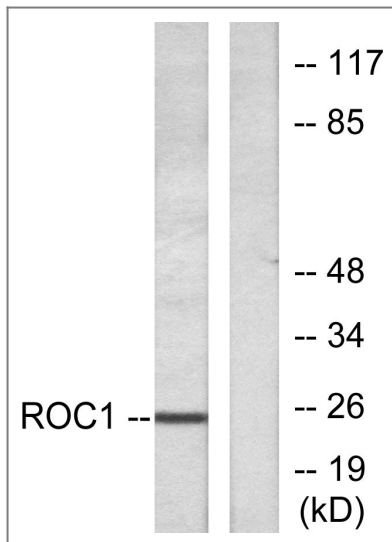
Target Information

Gene name	RIT1		
Protein Name	GTP-binding protein Rit1		
	Organism	Gene ID	UniProt ID
	Human	6016;	Q92963;
	Mouse	19769;	P70426;
Cellular Localization	Cell membrane.		
Tissue specificity	Expressed in many tissues.		
Function	enzyme regulation:Alternate between an inactive form bound to GDP and an active form bound to GTP.,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.,miscellaneous:Shows rapid uncatalyzed guanine nucleotide dissociation rates, which are much faster than those of most Ras subfamily members.,miscellaneous:Stimulation of the NGF and EGF receptor signaling pathways results in rapid and prolonged activation.,similarity:Belongs to the small GTPase superfamily. Ras family.,subunit:Interacts with MLLT4, the C-terminal domain of RALGDS and RLF, but not with RIN1 and PIK3CA. RLF binds exclusively to the active GTP-bound form. Strongly interacts with BRAF, but only weakly with RAF1. BARF and RAF1 association is dependent upon the GTP-bound state. Interacts with RGL3.,tissue specificity:Expressed in many tissues.,		

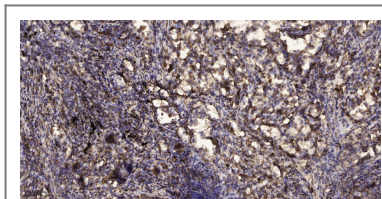
| Validation Data



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



Western blot analysis of lysates from Jurkat cells, using RIT1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
Rit1 Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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