

Rabbit RIT1 Polyclonal Antibody | anti-RIT1 antibody

RIT1 Antibody

CATALOG # AAA320891	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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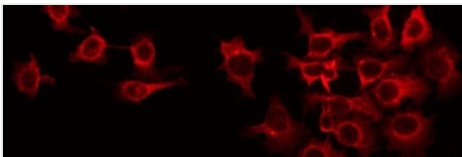
PRODUCT SYNONYMS

RIT1; Polyclonal Antibody; RIT1 Antibody; GTP binding protein Roc1; GTP-binding protein Rit1; NS8; Ras like protein expressed in many tissues; Ras like without CAAX 1; Ras-like protein expressed in many tissues; Ras-like without CAAX protein 1; RIBB; Ric like expressed in many tissues; Ric-like protein without CAAX motif 1; RIT; RIT1_HUMAN; ROC1; anti-RIT1 antibody

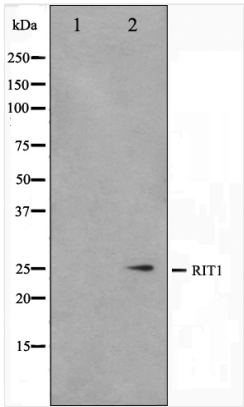
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RIT1 antibody detects endogenous levels of total RIT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	183
Applicable Applications for anti-RIT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RIT1
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed in many tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

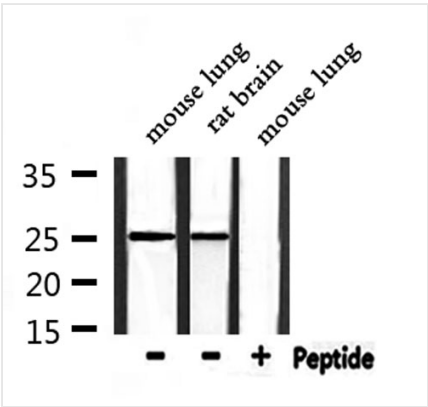
IMAGES



IF (Immunofluorescence)
AAA320891 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis on Jurkat cell lysate using RIT1 Antibody, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse lung, rat brain, using RIT1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RIT1 antibody

Description: RIT1 Plays a crucial role in coupling NGF stimulation to the activation of both EPHB2 and MAPK14 signaling pathways and in NGF-dependent neuronal differentiation. Belongs to the small GTPase superfamily. Ras family. 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.

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.

Subunit Structure: Interacts with AFDN, 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 (By similarity).

Similarity: Belongs to the small GTPase superfamily. Ras family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	378744212
NCBI GeneID	6016
NCBI Accession #	NP_001243749.1
NCBI GenBank Nucleotide #	NM_001256820.1
UniProt Accession #	Q92963; O00646; O00720; Q5VY89; Q5VY90; B4DQE8

Molecular Weight	Observed: 25 kDa Predicted: 26 kDa
NCBI Official Full Name	GTP-binding protein Rit1 isoform 3
NCBI Official Synonym Full Names	Ras like without CAAX 1
NCBI Official Symbol	RIT1
NCBI Official Synonym Symbols	NS8; RIT; RIBB; ROC1
NCBI Protein Information	GTP-binding protein Rit1
UniProt Protein Name	GTP-binding protein Rit1
UniProt Gene Name	RIT1
UniProt Synonym Gene Names	RIBB; RIT; ROC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/polyclonal/rit1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320891>