

RUTBC1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11573b**Specification**

RUTBC1 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O43147
Other Accession	NP_001091979.1 , NP_055668.2
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	113285
Antigen Region	955-984

RUTBC1 Antibody (C-term) - Additional Information**Gene ID** 9905**Other Names**

Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1, SGSM2, KIAA0397, RUTBC1

Target/Specificity

This RUTBC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 955-984 amino acids from the C-terminal region of human RUTBC1.

Dilution

WB~~1:1000

IHC-P~~1:50~100

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

RUTBC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RUTBC1 Antibody (C-term) - Protein Information**Name** SGSM2

Synonyms KIAA0397, RUTBC1

Function Possesses GTPase activator activity towards RAB32, RAB33B and RAB38 (PubMed:[21808068](#), PubMed:[26620560](#)). Regulates the trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes by inactivating RAB32 and RAB38. Inhibits RAB32 and RAB38 activation both directly by promoting their GTPase activity and indirectly by disrupting the RAB9A-HPS4 interaction which is required for RAB32/38 activation (PubMed:[26620560](#)).

Cellular Location

Cytoplasm. Melanosome. Note=Melanosomal localization is mediated by RAB9A.

Tissue Location

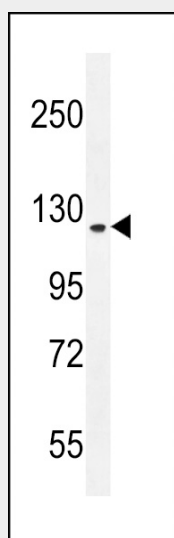
Widely expressed..

RUTBC1 Antibody (C-term) - Protocols

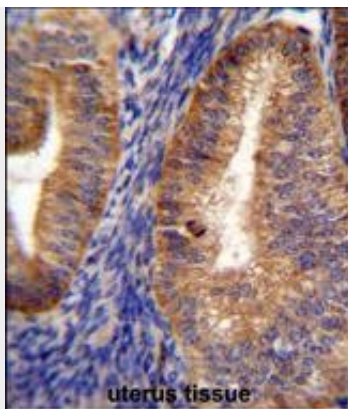
Provided below are standard protocols that you may find useful for product applications.

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

RUTBC1 Antibody (C-term) - Images



RUTBC1 Antibody (C-term) (Cat. #AP11573b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the RUTBC1 antibody detected the RUTBC1 protein (arrow).



RUTBC1 Antibody (C-term) (Cat. #AP11573b) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RUTBC1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

RUTBC1 Antibody (C-term) - Background

The specific function of the protein remains unknown.

RUTBC1 Antibody (C-term) - References

Vasan, R.S., et al. JAMA 302(2):168-178(2009)
Ishibashi, K., et al. Genes Cells 14(1):41-52(2009)
Yang, H., et al. Genomics 90(2):249-260(2007)
Stelzl, U., et al. Cell 122(6):957-968(2005)