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# RAB23 Blocking Peptide (C-term)

**Synthetic peptide**
**Catalog # BP1456b**

## Specification

### RAB23 Blocking Peptide (C-term) - Product Information

Primary Accession Q9ULC3

### RAB23 Blocking Peptide (C-term) - Additional Information

**Gene ID** 51715

**Other Names**
Ras-related protein Rab-23, RAB23

**Target/Specificity**
The synthetic peptide sequence is selected from aa 217-231 of HUMAN RAB23

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### RAB23 Blocking Peptide (C-term) - Protein Information

**Name** RAB23

**Function**
The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of

### RAB23 Blocking Peptide (C-term) - Background

The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. It may be involved in small GTPase mediated signal transduction and intracellular protein transportation. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified.

### RAB23 Blocking Peptide (C-term) - References

Jenkins,D., Am. J. Hum. Genet. 80 (6), 1162-1170 (2007)
Liu,Y.J., World J. Gastroenterol. 13 (7), 1010-1017 (2007)
Evans,T.M., Traffic 4 (12), 869-884 (2003)
Marcos,I., Int. J. Mol. Med. 12 (6), 983-987 (2003)

downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. Together with SUFU, prevents nuclear import of GLI1, and thereby inhibits GLI1 transcription factor activity. Regulates GLI1 in differentiating chondrocytes. Likewise, regulates GLI3 proteolytic processing and modulates GLI2 and GLI3 transcription factor activity. Plays a role in autophagic vacuole assembly, and mediates defense against pathogens, such as S.aureus, by promoting their capture by autophagosomes that then merge with lysosomes.

**Cellular Location**
Cell membrane {ECO:0000250|UniProtKB:P35288}; Lipid-anchor; Cytoplasmic side {ECO:0000250|UniProtKB:P35288}. Cytoplasm. Cytoplasmic vesicle, autophagosome. Endosome membrane {ECO:0000250, ECO:0000250|UniProtKB:P35288}. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle, phagosome membrane; Lipid-anchor; Cytoplasmic side. Note=Recruited to phagosomes containing S.aureus or M.tuberculosis.

## RAB23 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides