10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CLEC16A Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6983c

Specification

CLEC16A Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q2KHT3

CLEC16A Antibody (Center) Blocking Peptide - Additional Information

Gene ID 23274

Other Names
Protein CLEC16A, C-type lectin domain family 16 member A {ECO:0000312|HGNC:HGNC:29013}, CLEC16A (HGNC:29013), KIAA0350

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6983c was selected from the Center region of human CLEC16A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CLEC16A Antibody (Center) Blocking Peptide - Protein Information

Name CLEC16A (HGNC:29013)

Synonyms KIAA0350

Function
Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PRKN pathway. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PRKN pathway regulates autophagosome-lysosome fusion during late mitophagy. May protect RNF41/NRDP1 from proteasomal degradation, RNF41/NRDP1 which regulates proteasomal degradation of PRKN. Plays a key role in beta cells functions by regulating mitophagy/autophagy and mitochondrial health.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q80U30}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q80U30}. Lysosome membrane {ECO:0000250|UniProtKB:Q80U30}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q80U30}. Note=Associates with the endolysosome membrane. {ECO:0000250|UniProtKB:Q80U30}

Tissue Location
Almost exclusively expressed in immune cells, including dendritic cells, B-lymphocytes and natural killer cells

CLEC16A Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CLEC16A Antibody (Center) Blocking Peptide - Images

CLEC16A Antibody (Center) Blocking Peptide - Background

CLEC16A is almost exclusively expressed in immune cells, including dendritic cells, B lymphocytes and natural killer cells. There are three isoforms.

CLEC16A Antibody (Center) Blocking Peptide - References

Hafler,D.A., et.al., N. Engl. J. Med. 357 (9), 851-862 (2007)