

**CLEC16A Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21278b**

**Specification**

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**CLEC16A Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q2KHT3</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	117715

**CLEC16A Antibody (C-term) - 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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=29013)), KIAA0350

**Target/Specificity**

This CLEC16A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 773-805 amino acids from the C-terminal region of human CLEC16A.

**Dilution**

WB~~1:1000

**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**

CLEC16A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CLEC16A Antibody (C-term) - 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

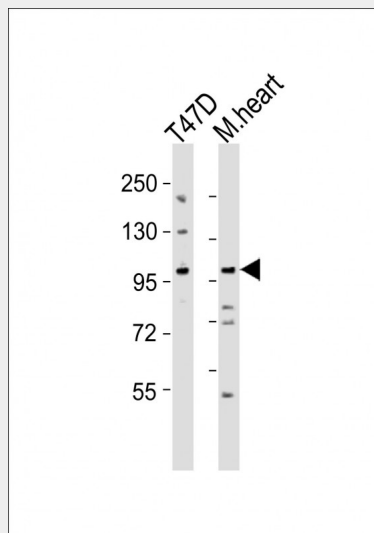
Almost exclusively expressed in immune cells, including dendritic cells, B-lymphocytes and natural killer cells

### CLEC16A Antibody (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](#)

### CLEC16A Antibody (C-term) - Images



All lanes : Anti-CLEC16A Antibody (C-term) at 1:1000 dilution Lane 1: T47D whole cell lysates Lane 2: mouse heart lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 118 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### **CLEC16A Antibody (C-term) - Background**

Regulator of mitophagy through the upstream regulation of the RNF41/NRDP1-PARK2 pathway. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control. The RNF41/NRDP1-PARK2 pathway regulates autophagosome-lysosome fusion during late mitophagy. May protect RNF41/NRDP1 from proteosomal degradation, RNF41/NRDP1 which regulates proteosomal degradation of PARK2. Plays a key role in beta cells functions by regulating mitophagy/autophagy and mitochondrial health.

### **CLEC16A Antibody (C-term) - References**

Nagase T.,et al.DNA Res. 4:141-150(1997).  
Nakajima D.,et al.DNA Res. 9:99-106(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hakonarson H.,et al.Nature 448:591-594(2007).  
Soleimanpour S.A.,et al.Cell 157:1577-1590(2014).

### **CLEC16A Antibody (C-term) - Citations**

- [Inducible knockout of Clec16a in mice results in sensory neurodegeneration.](#)
- [CLEC16A regulates splenocyte and NK cell function in part through MEK signaling.](#)