

CLEC16A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6983c

Product Information

Application	WB, E
Primary Accession	Q2KHT3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21748
Calculated MW	117715
Antigen Region	365-391

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	This CLEC16A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-391 amino acids from the Central region of human CLEC16A.
Dilution	WB~~1:1000 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	CLEC16A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

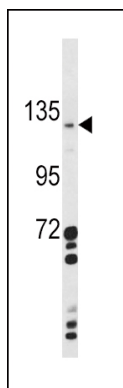
Background

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

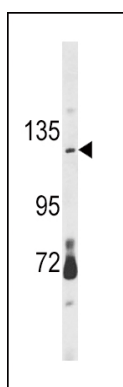
References

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

Images



Western blot analysis of CLEC16A Antibody (Center) (Cat. #AP6983c) in A2058 cell line lysates (35ug/lane).CLEC16A (arrow) was detected using the purified Pab.



Western blot analysis of CLEC16A Antibody (Center) (Cat. #AP6983c) in mouse brain tissue lysates (35ug/lane).CLEC16A (arrow) was detected using the purified Pab.

Citations

- [Association of CLEC16A with human common variable immunodeficiency disorder and role in murine B cells.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.