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CLEC16A Rabbit pAb

Catalog # AP97184

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q2KHT3
Other Accession	Q2KHT3
Reactivity	Human
Predicted	Rat, Pig, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117715
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CLEC16A
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CLEC16A/gop-1 family.
DISEASE	Insulin-dependent diabetes mellitus is significantly associated with variation within a 233-kb linkage disequilibrium block on chromosome 16p13 that includes KIAA0350. Three common non-coding variants of KIAA0350 in strong linkage disequilibrium reach genome-wide significance for association with the disease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the C-type lectin domain containing family. Single nucleotide polymorphisms in introns of this gene have been associated with diabetes mellitus, multiple sclerosis and rheumatoid arthritis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	23274
Other Names	Gop-1; KIAA0350; 4932416N17Rik; curt; mKIAA0350; CL16A_HUMAN; CLEC16A; C-type lectin domain family 16 member A; CL16A_MOUSE; C-type lectin domain containing 16A; C-type lectin domain family 16, member A
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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