

## **CLEC6A Antibody (C-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18742b

## Specification

# **CLEC6A Antibody (C-term) - Product Information**

Application	
Primary Accession	
Other Accession	
Reactivity	
Host	
Clonality	
Isotype	
Calculated MW	
Antigen Region	

WB,E <u>Q6EIG7</u> <u>NP\_001007034.1</u> Human Rabbit Polyclonal Rabbit IgG 23998 137-163

## **CLEC6A Antibody (C-term) - Additional Information**

## Gene ID 93978

## **Other Names**

C-type lectin domain family 6 member A, C-type lectin superfamily member 10, Dendritic cell-associated C-type lectin 2, DC-associated C-type lectin 2, Dectin-2, CLEC6A, CLECSF10, DECTIN2

#### Target/Specificity

This CLEC6A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-163 amino acids from the C-terminal region of human CLEC6A.

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

CLEC6A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# **CLEC6A Antibody (C-term) - Protein Information**

Name CLEC6A (<u>HGNC:14556</u>)



**Function** Calcium-dependent lectin that acts as a pattern recognition receptor (PRR) of the innate immune system: specifically recognizes and binds alpha-mannans on C.albicans hypheas (PubMed:<u>23911656</u>, PubMed:<u>28652405</u>). Binding of C.albicans alpha-mannans to this receptor complex leads to phosphorylation of the immunoreceptor tyrosine-based activation motif (ITAM) of FCER1G, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes (By similarity). Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production (By similarity). Recognizes soluble elements from the eggs of Shistosoma mansoni altering adaptive immune responses (By similarity).

**Cellular Location** 

Cell membrane; Single-pass type II membrane protein

**Tissue Location** 

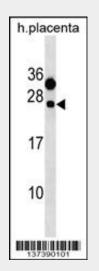
Expressed in lung, spleen, lymph node, leukocytes, bone marrow, tonsils and dendritic cells. Strongly expressed in purified monocytes and weakly in B-cells. In peripheral blood cells, preferentially expressed in plasmacytoids rather than myeloids

## **CLEC6A Antibody (C-term) - Protocols**

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

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## CLEC6A Antibody (C-term) - Images



CLEC6A Antibody (C-term)(Cat. #AP18742b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the CLEC6A antibody detected the CLEC6A protein (arrow).

## CLEC6A Antibody (C-term) - Background



Like dectin-1 (CLEC7A; MIM 606264), CLEC6A, or dectin-2, is a type II membrane receptor with an extracellular C-type lectin-like domain fold. However, unlike dectin-1, dectin-2 lacks an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain (Kanazawa et al., 2004 [PubMed 15175046]).

# **CLEC6A Antibody (C-term) - References**

Gavino, A.C., et al. Exp. Dermatol. 14(4):281-288(2005) Flornes, L.M., et al. Immunogenetics 56(7):506-517(2004) Kanazawa, N., et al. J. Invest. Dermatol. 122(6):1522-1524(2004)