

Anti-Dectin 2 Antibody

Catalog # AP60157

Product Information

Application	WB
Primary Accession	Q6EIG7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23998

Additional Information

Gene ID	93978
Other Names	CLECSF10; DECTIN2; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Dectin 2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

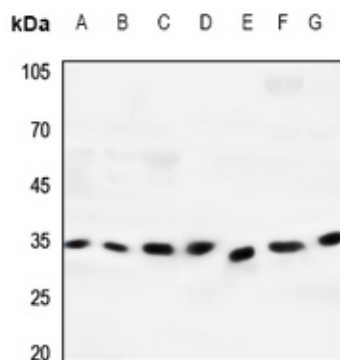
Protein Information

Name	CLEC6A (HGNC:14556)
Function	Calcium-dependent lectin that acts as a pattern recognition receptor (PRR) of the innate immune system: specifically recognizes and binds alpha-mannans on <i>C.albicans</i> hyphae (PubMed: 23911656 , PubMed: 28652405). Binding of <i>C.albicans</i> 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 <i>Shistosoma mansoni</i> 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

Images



Western blot analysis of Dectin 2 expression in HEK293T (A), Hela (B), A375 (C), mouse lung (D), mouse spleen (E), rat lung (F), rat spleen (G) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 35 kD)

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