

# Dectin-1 Polyclonal antibody

Catalog Number: 22809-1-AP

## Basic Information

**Catalog Number:**

22809-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18924

**GenBank Accession Number:**

BC013385

**GeneID (NCBI):**

64581

**UNIPROT ID:**

Q9BXN2

**Full Name:**

C-type lectin domain family 7, member A

**Calculated MW:**

247 aa, 28 kDa

**Observed MW:**

45 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HL-60 cells, THP-1 cells, U-937 cells

## Background Information

Dectin-1, also known as CLEC7A or CD369, is a type II membrane receptor consisting of an extracellular C-terminal C-type lectin domain, a short stalk region, a single transmembrane domain and a short N-terminal cytoplasmic tail, which contains an immunoreceptor tyrosine-based activation motif (PMID: 10779524; 21612412). Dectin-1 is expressed on monocytes, macrophages, neutrophils, dendritic cells and a subpopulation of T cells (PMID: 12244185). Dectin-1 plays a role in the innate immune response. It functions as a pattern-recognition receptor and recognizes a variety of  $\beta$ -glucans from fungi, plants and bacteria. Dectin-1 may also participate in orchestrating the adaptive immune response (PMID: 21612412). The apparent molecular weight is larger than the calculated molecular weight due to glycosylation (PMID: 10779524).

## Storage

**Storage:**

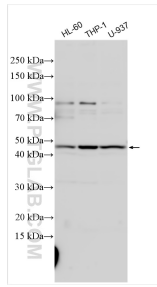
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22809-1-AP (Dectin-1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.