Datasheet for ABIN7249202
# anti-CD1d antibody

| 2 | Images |

## Overview

| | |
|---|---|
| Quantity: | 200 µL |
| Target: | CD1d (CD1D) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CD1d antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

## Product Details

| | |
|---|---|
| Immunogen: | Fusion protein of human CD1D |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Antigen affinity purification |

## Target Details

| | |
|---|---|
| Target: | CD1d (CD1D) |
| Alternative Name: | CD1D (CD1D Products) |
| Background: | CD1d is a member of the CD1 family of transmembrane glycoproteins,which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. CD1d is an antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on NKT cells. When activated,NKT cells |

## Target Details

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|---|---|
|  | rapidly produce Th1 and Th2 cytokines. The molecular weight of unglycosylated CD1d is 38 kDa,while glycosylated form of CD1d is 48-55 kDa. |
| Molecular Weight: | Observed_MW: Refer to figures<br><br>Calculated_MW: 38 kDa |
| UniProt: | P15813 |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process |

## Application Details

|  |  |
|---|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:25-1:100, ELISA 1:5000-1:10000 |
| Restrictions: | For Research Use only |

## Handling

|  |  |
|---|---|
| Format: | Liquid |
| Concentration: | 0.7 mg/mL |
| Buffer: | PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |
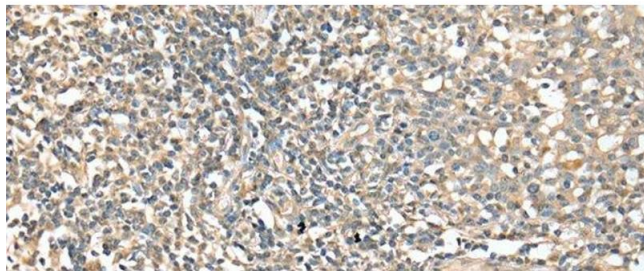
# Images



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human tonsil tissue using CD1D Polyclonal Antibody at dilution of 1:25(x200)
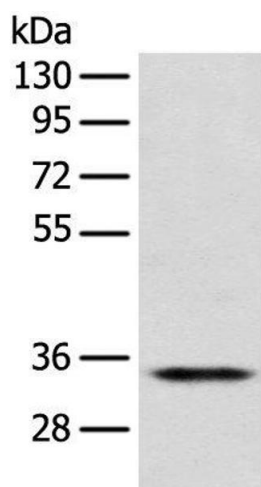


## Western Blotting

**Image 2.** Western blot analysis of Jurkat cell using CD1D Polyclonal Antibody at dilution of 1:300