003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

# CD1B Polyclonal Antibody

**Cat #:** G-AB-03598

**Host:** Rabbit **Reactivity:** Human

**Isotype:** IgG **Clonality:** Polyclonal

**Overview:**
CD1B (CD1b Molecule) is a Protein Coding gene. Diseases associated with CD1B include Mycobacterium Malmoense and Immune System Organ Benign Neoplasm. Among its related pathways are Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell and Innate Immune System. GO annotations related to this gene include beta-2-microglobulin binding and endogenous lipid antigen binding. An important paralog of this gene is CD1C.This gene encodes 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. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and

**Gene ID:**

**Accession #:** NP001755

**Immunogen:** Synthetic peptide of human CD1B

**Conjugation:** Unconjugated

**Swissprot:** P29016

**Calculated Molecular Weight:**

**Observed Molecular Weight:**

**Concentration:** 1.4 mg/mL

**Buffer:** PBS with 0.05% NaN3 and 40% Glycerol, pH7.4

**Purification Method:** Antigen affinity purification

**Application:** IHC,ELISA

**Dilution:** IHC 1:50-1:300, ELISA 1:5000-1:10000

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.