CD1E Polyclonal Antibody

Catalog Number:E-AB-30810

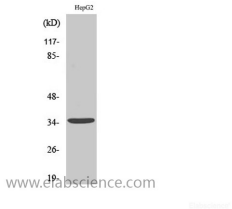
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	Synthesized peptide derived from the Internal region of human CD1e
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Formulation	PBS with 0.02% sodium azide,0.5% protective protein and 50% glycerol pH 7.4.

Applications	Recommended Dilution
WB	1:500-1:2000
ELISA	1:10000

Data



Western Blot analysis of HepG2 cells with CD1e Polyclonal Antibody.
Observed Mw:36kDa
Calculated Mw:36kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

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 within Golgi compartments, endosomes, and lysosomes, and is cleaved into a stable soluble form. The soluble form is required for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members. Many alternatively spliced transcript variants encoding different isoforms have been described. Additional transcript variants have been found; however, their biological validity has not been determined.CD1E (CD1e Molecule) is a Protein Coding gene. Diseases associated with CD1E include Mycobacterium Malmoense and Autoimmune Disease Of Central Nervous System. Among its related pathways are Tight junction and Hematopoietic cell lineage. GO annotations related to this gene include lipid binding and lipopeptide binding. An important paralog of this gene is CD1B.

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