ARG45724
anti-CD1d antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD1d
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD1d
Species	Human
Immunogen	Synthetic peptide corresponding to N-terminal region of human CD1d.
Conjugation	Un-conjugated
Alternate Names	CD1D; CD1d Molecule; Antigen-Presenting Glycoprotein CD1d; CD1D Antigen, D Polypeptide; CD1d Antigen; R3G1; HMC Class I Antigen-Like Glycoprotein CD1D; Differentiation Antigen CD1-Alpha-3; T-Cell Surface Glycoprotein CD1d; Thymocyte Antigen CD1D; CD1A; R3

Application Instructions

Application table

Application	Dilution
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

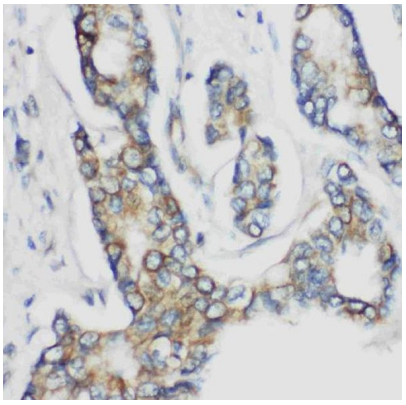
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

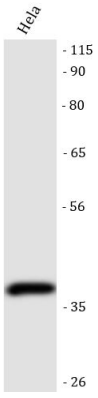
Gene Symbol	CD1D
Gene Full Name	CD1d Molecule
Background	This gene encodes a divergent member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
Function	Antigen-presenting protein that binds self and non-self glycolipids and presents them to T-cell receptors on natural killer T-cells. [UniProt]
Calculated Mw	38 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Cell membrane; Endoplasmic reticulum; Endosome; Lysosome; Membrane. [UniProt]

Images



ARG45724 anti-CD1d antibody IHC-P image

Immunohistochemistry: Human mammary cancer stained with ARG45724 anti-CD1d antibody.



ARG45724 anti-CD1d antibody WB image

Western blot: Hela stained with ARG45724 anti-CD1d antibody.