CD1B rabbit pAb

Cat#: orb771547 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	CD1B rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	IHC-p 1:50-200, ELISA 1:10000-20000
Immunogen	Synthetic peptide from human protein at AA range: 60-100
Specificity	The antibody detects endogenous CD1B
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	T-cell surface glycoprotein CD1b (CD antigen CD1b)
Gene Name	CD1B
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Endosome membrane ; Single-pass type I membrane protein . Lysosome membrane ; Single-pass type I membrane protein . Subject to intracellular trafficking between the cell membrane, endosomes and lysosomes. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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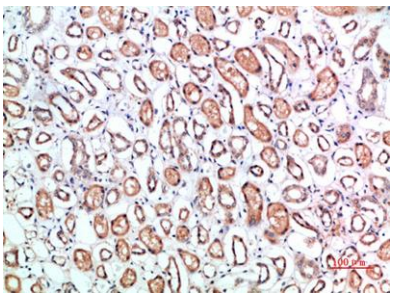
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	910
Human Swiss-Prot Number	P29016
Alternative Names	T-cell surface glycoprotein CD1b (CD antigen CD1b)

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 to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200

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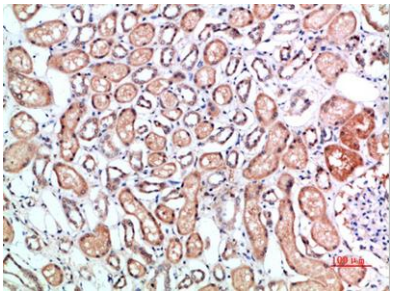

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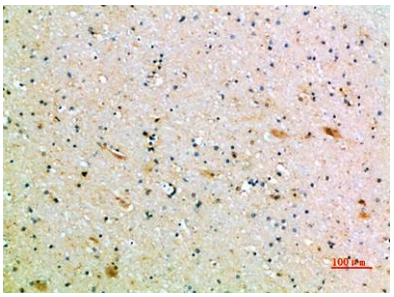

Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200

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