

For Research Use Only

CD1a Polyclonal antibody

Catalog Number: 17325-1-AP **2 Publications**



Basic Information

Catalog Number: 17325-1-AP	GenBank Accession Number: BC031645	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 909	Recommended Dilutions: WB 1:500-1:1000 IHC 1:1000-1:4000
Source: Rabbit	Full Name: CD1a molecule	
Isotype: IgG	Calculated MW: 327 aa, 37 kDa	
Immunogen Catalog Number: AG11304	Observed MW: 65-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, Jurkat cells, Raji cells IHC : human skin cancer tissue,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CD1a is an antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells. During protein synthesis and maturation, CD1 family members bind endogenous lipids that are replaced by lipid or glycolipid antigens when the proteins are internalized and pass through endosomes, before trafficking back to the cell surface. CD1a is a 50-kDa glycoprotein. It has a heterodimer form with molecular weight of 65-70 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Hu Wang	34553702	Chin Med J (Engl)	IHC
Pei Yang	33576871	Cancer Immunol Immunother	IHC

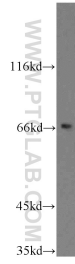
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

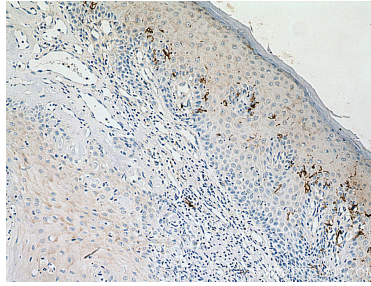
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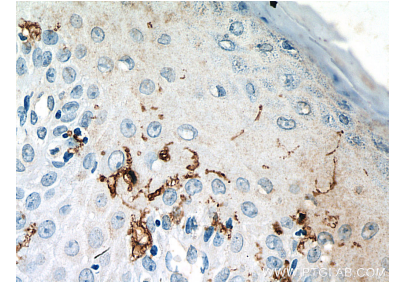
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 17325-1-AP (CD1a antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 17325-1-AP (CD1a antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 17325-1-AP (CD1a antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).