

For Research Use Only

# CD1a Polyclonal antibody

Catalog Number: 17325-1-AP

7 Publications



## Basic Information

Catalog Number:

17325-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11304

GenBank Accession Number:

BC031645

GeneID (NCBI):

909

UNIPROT ID:

P06126

Full Name:

CD1a molecule

Calculated MW:

327 aa, 37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:1000-1:4000

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human skin cancer tissue,

## 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         |
| Laura P Hale | 39018546  | Immunohorizons            |             |

## 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

For technical support and original validation data for this product please contact:

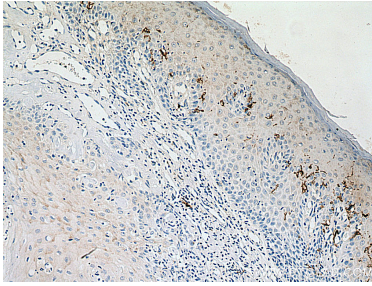
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

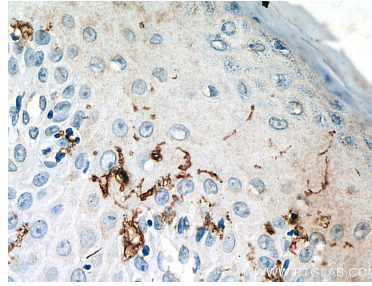
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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).