

Rabbit anti-Human, Rat CD1a Polyclonal Antibody | anti-CD1A antibody

CD1a Antibody

CATALOG # AAA328985	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA
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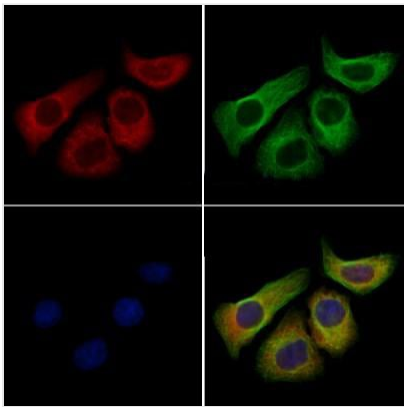
PRODUCT SYNONYMS

CD1a; Polyclonal Antibody; CD1a Antibody; CD 1a; CD1; CD1A Antigen; CD1A antigen; a polypeptide; CD1a molecule; CD1A_HUMAN; cluster of differentiation 1 A; cortical thymocyte antigen CD1A; differentiation antigen CD1 alpha 3; epidermal dendritic cell marker CD1a; FCB 6; FCB6; HTA 1; HTA1; hTa1 thymocyte antigen; OTTHUMP00000018907; R 4; R4; T 6; T-cell surface antigen T6/Leu-6; T-cell surface glycoprotein CD1a; T6; anti-CD1A antibody

PRODUCT SPECIFICATIONS

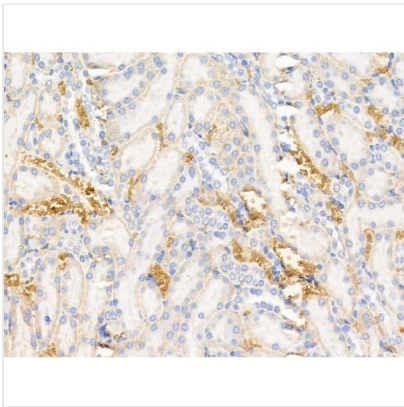
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD1a Antibody detects endogenous levels of total CD1a.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	327
Applicable Applications for anti-CD1A antibody	ELISA
Immunogen	A synthesized peptide derived from human CD1a, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



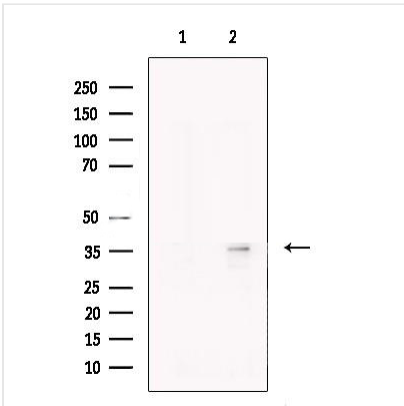
IF (Immunofluorescence)

AAA328985 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328985 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



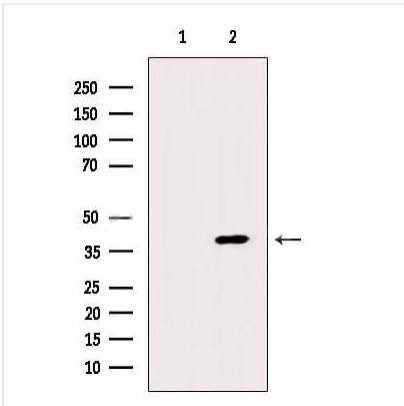
IHC (Immunohistochemistry)

AAA328985 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Human thymus, using CD1a Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from A2780 cells, using CD1a Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CD1A antibody	Function: 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.
	Subcellular Location: Cell membrane>Single-pass type I membrane protein. Membrane raft>Single-pass type I membrane protein. Endosome membrane>Single-pass type I membrane protein. Note: Subject to intracellular trafficking between the cell membrane and endosomes (PubMed:11231314). Localizes to cell surface lipid rafts (PubMed:18178838).
	Tissue Specificity: Expressed on cortical thymocytes, epidermal Langerhans cells, dendritic cells, on certain T-cell leukemias, and in various other tissues.
	Subunit Structure: Heterodimer with B2M (beta-2-microglobulin). Interacts with CD74.

NCBI AND UNIPROT INFORMATION

NCBI GI #	288558852
NCBI GeneID	909
UniProt Accession #	P06126

Molecular Weight	Observed Molecular Weight: (Observed)37kD. Predicted Molecular Weight: (Calculated)37kDa.
NCBI Official Full Name	T-cell surface glycoprotein CD1a
NCBI Official Synonym Full Names	CD1a molecule
NCBI Official Symbol	CD1A
NCBI Official Synonym Symbols	R4; T6; CD1; FCB6; HTA1
NCBI Protein Information	T-cell surface glycoprotein CD1a
UniProt Protein Name	T-cell surface glycoprotein CD1a
UniProt Gene Name	CD1A
UniProt Synonym Gene Names	hTa1 thymocyte antigen

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd1a-antibody-elisa/328985>