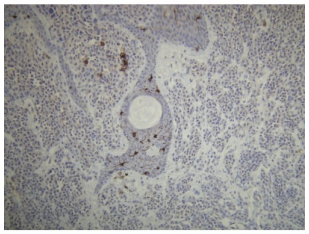
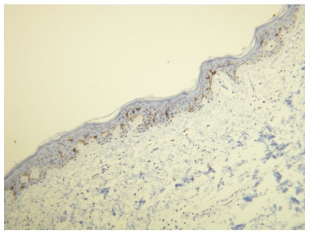
T-cell Surface Glycoprotein CD1a (CD1A) Antibody

Catalogue No.:abx227100



IHC-P analysis showing CD1a expression in dendritic cells of the epidermis (langerhans cells).



IHC-P analysis of dendritic cells of the epidermis (langerhans cells), showing CD1a expression.

T-cell Surface Glycoprotein CD1a (CD1A) Antibody is a Rabbit Monoclonal antibody for the detection of CD1a.

Target:	T-cell Surface Glycoprotein CD1a (CD1A)
Clonality:	Monoclonal
Clone:	Z343
Reactivity:	Human
Tested Applications:	IHC
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthetic peptide derived from the C-terminal region, near the transmembrane domain of human CD1-a.
Isotype:	IgG
Form:	Liquid

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Purification:	Purified from rabbit antiserum by proprietary techniques.
Storage:	Store at 2-8°C.
UniProt Primary AC:	P06126 (UniProt, ExPASy)
Buffer:	20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% NaN3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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Directions for use:

Suggested IHC-P Protocol

1. Preparation of Citrate Buffer (10 mM Citric Acid, 0.05% Tween-20, pH 6.0): Dissolve 1.92 g of anhydrous citric acid in 700 ml of distilled water. Adjust pH to 6.0 with 1 M NaOH and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
2. Preparation of Tris-EDTA Buffer (10 mM Tris Base, 1 mM EDTA solution, 0.05% Tween-20, pH 9.0): Mix 1.21 g Tris and 0.37 g EDTA and dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1 M HCl and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
3. Preparation of Wash Buffer: Use PBS, pH 7.0-7.5, containing 0.05% Tween-20.
4. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
5. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
6. Rinse in distilled water.
7. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
8. Wash in distilled water.
9. Antigen retrieval: either immerse the slide in Citrate buffer, pH 6.0, and incubate in a water bath for 20-25 minutes at 96-98 °C; or immerse the slide in Tris-EDTA buffer, pH 9.0, and incubate in a water bath for 30-40 minutes at 96-98 °C.
10. Remove the slide from the water bath and allow to stand at room temperature for 15 minutes in the buffer used in the previous step.
11. Rinse in distilled water.
12. Wash in Wash Buffer for 5 minutes.
13. Incubate the section with primary antibody at 1/100 dilution for 1 hour in a closed wet chamber. It is recommended to use abx291502 Primary Antibody Diluent or a diluent containing protease-free BSA (≥ 1 mg/ml) to dilute this antibody.
14. Wash twice with Wash Buffer, 5 minutes each.
15. Add the secondary antibody and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). It is recommended to use abx291501 Rabbit and Mouse HRP/DAB Detection Kit.
16. Wash twice with Wash Buffer, 5 minutes each.
17. Apply the DAB chromagen for 1-3 minutes.
18. Wash in distilled water for 10 minutes.
19. Stain in hematoxylin for 5 minutes.
20. Wash in distilled water for 10 minutes.
21. Dehydrate the section in 2 changes of 96% ethanol, 5 minutes each.
22. Wash the section in 2 changes of xylene, 2 minutes each.
23. Mount the slide for observation.

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