

ALDH3A1 Rabbit mAb

Catalog NO.: A27998 **Recombinant**

Basic Information

Observed MW

60kDa

Calculated MW

50kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC65079

Background

Enables 3-chloroallyl aldehyde dehydrogenase activity. Involved in several processes, including response to cAMP; response to glucocorticoid; and response to hypoxia. Located in cytosol. Human ortholog(s) of this gene implicated in arteriosclerosis. Orthologous to human ALDH3A1 (aldehyde dehydrogenase 3 family member A1).

Recommended Dilutions

WB 1:5000 - 1:20000

IF-P 1:200 - 1:800

IHC-P 1:1000 - 1:4000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

25375

Swiss Prot

P11883

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

AHDC; Aldh; Ahd-c; Aldh3; Aldh3a1

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

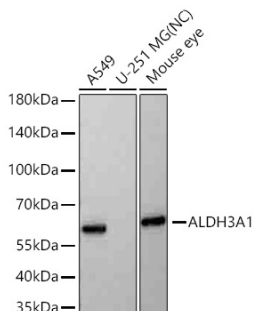
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using ALDH3A1 Rabbit mAb (A27998) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

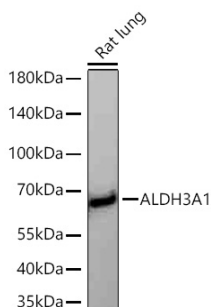
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): U-251 MG

Exposure time: 0.5s.



Western blot analysis of lysates from Rat lung using ALDH3A1 Rabbit mAb (A27998) at 1:5000 dilution incubated overnight at 4°C.

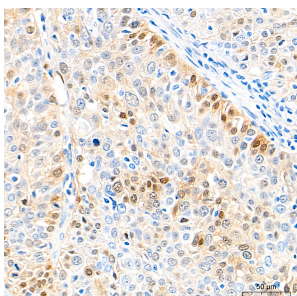
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

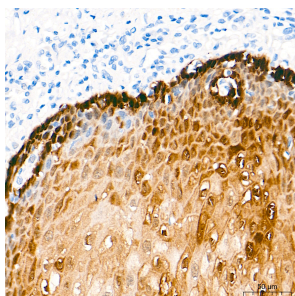
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

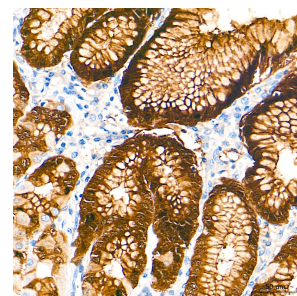
Exposure time: 20s.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000 (40x lens).



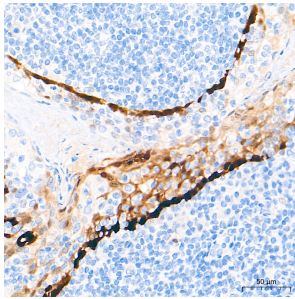
Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000 (40x lens).

(40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

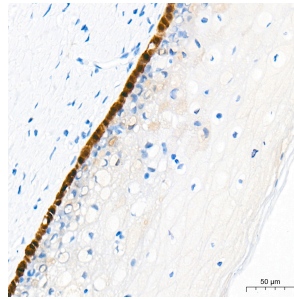
High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

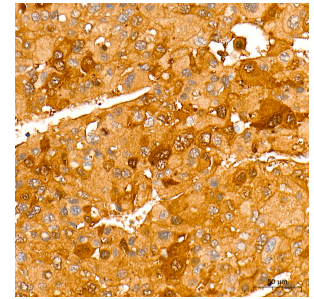
Validation Data



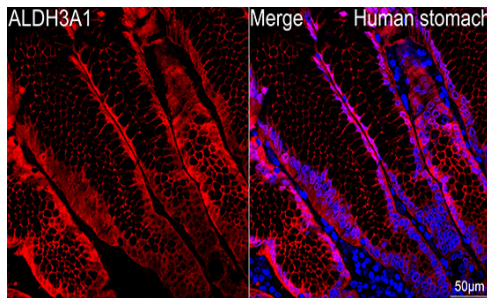
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human cervix tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using ALDH3A1 Rabbit mAb (A27998) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human stomach tissue using ALDH3A1 Rabbit mAb (A27998, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

