

Product datasheet

Anti-ALDH1A1 antibody ab89431

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Overview

Product name	Anti-ALDH1A1 antibody
Description	Mouse polyclonal to ALDH1A1
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human ALDH1A1 protein (NP_000680.2).
Positive control	Human liver lysate; ALDH1A1 transfected 293T cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab89431** in the following tested applications.

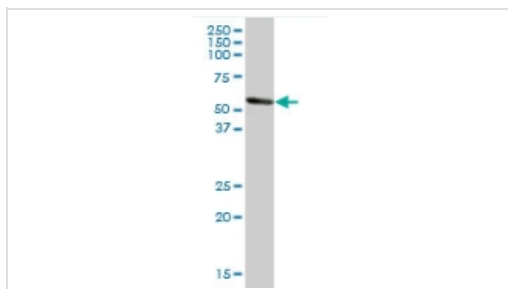
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 55 kDa.

Target

Function	Binds free retinal and cellular retinol-binding protein-bound retinal. Can convert/oxidize retinaldehyde to retinoic acid.
Pathway	Cofactor metabolism; retinol metabolism.
Sequence similarities	Belongs to the aldehyde dehydrogenase family.
Cellular localization	Cytoplasm.

Images

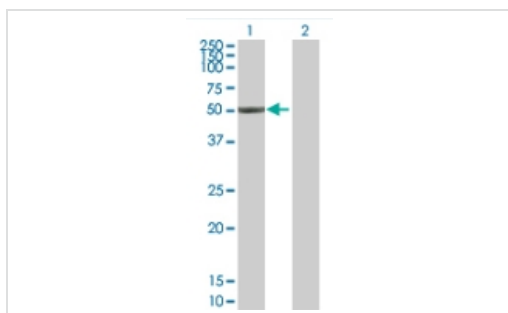


Western blot - Anti-ALDH1A1 antibody (ab89431)

Anti-ALDH1A1 antibody (ab89431) at 1 µg/ml + human liver lysate at 50 µg

Predicted band size: 55 kDa

Observed band size: 55 kDa



Western blot - Anti-ALDH1A1 antibody (ab89431)

All lanes : Anti-ALDH1A1 antibody (ab89431) at 1 µg/ml

Lane 1 : ALDH1A1 transfected 293T cell lysate

Lane 2 : Non transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 55 kDa

Observed band size: 50 kDa

[why is the actual band size different from the predicted?](#)

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