

Product datasheet

Anti-ALDH1A1 antibody [mAbcam61293] ab61293

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Overview

Product name	Anti-ALDH1A1 antibody [mAbcam61293]
Description	Mouse monoclonal [mAbcam61293] to ALDH1A1
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 300 - 400 of Human ALDH1A1. Read Abcam's proprietary immunogen policy (Peptide available as ab92717 .)
Positive control	This antibody gave a positive signal in human liver and kidney tissue lysates.
General notes	This antibody clone is manufactured by Abcam.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
Purity	IgG fraction
Clonality	Monoclonal
Clone number	mAbcam61293
Myeloma	Sp2/0-Ag14
Isotype	IgG1

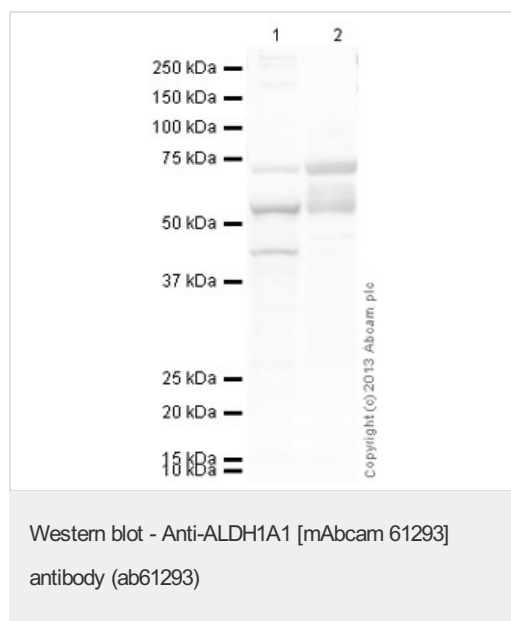
Applications

Our [Abpromise guarantee](#) covers the use of **ab61293** 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 10 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
Application notes		Is unsuitable for Flow Cyt.
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



All lanes : Anti-ALDH1A1 antibody
[mAbcam61293] (ab61293) at 10 µg/ml

Lane 1 : Human liver tissue lysate - total protein ([ab29889](#))

Lane 2 : Human kidney tissue lysate - total protein ([ab30203](#))

Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (HRP)
preadsorbed ([ab97040](#)) at 1/10000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 55 kDa

Observed band size : 54 kDa

Additional bands at : 42 kDa, 74 kDa. We are unsure as to the identity of these extra bands.

Exposure time : 4 minutes

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