


## Product datasheet

# Anti-Aldose reductase antibody ab153897

★★★★★ 1 Abreviews 1 References 4 Images

### Overview

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<b>Product name</b>	Anti-Aldose reductase antibody
<b>Description</b>	Rabbit polyclonal to Aldose reductase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat, Rabbit, Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Aldose reductase aa 1-316.
<b>Positive control</b>	293T, A431, HeLa, HepG2, MOLT4 and Raji whole cell lysates; HeLa cells; Human colon carcinoma tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab153897 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	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 36 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

## Target

### Function

Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies.

### Tissue specificity

Highly expressed in embryonic epithelial cells (EUE) in response to osmotic stress.

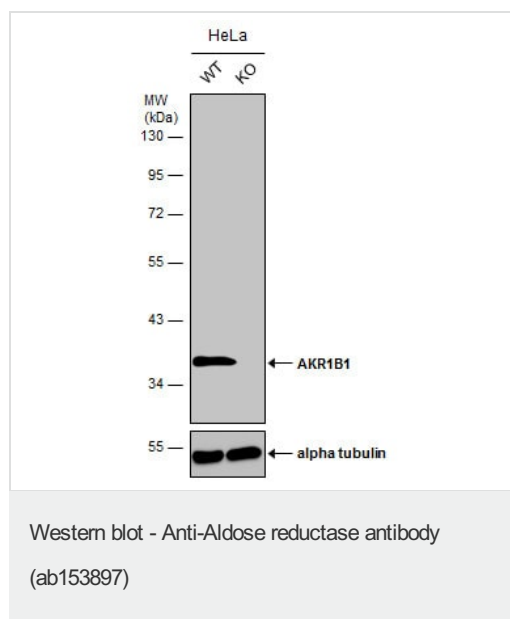
### Sequence similarities

Belongs to the aldo/keto reductase family.

### Cellular localization

Cytoplasm.

## Images



**All lanes** : Anti-Aldose reductase antibody (ab153897) at 1/2500 dilution

**Lane 1** : WT HeLa cell extract

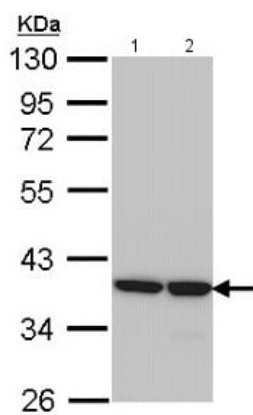
**Lane 2** : Aldose reductase Knockout HeLa cell extracts

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes** : HRP-conjugated anti-rabbit IgG

**Predicted band size:** 36 kDa



Western blot - Anti-Aldose reductase antibody (ab153897)

**All lanes** : Anti-Aldose reductase antibody (ab153897) at 1/1000 dilution

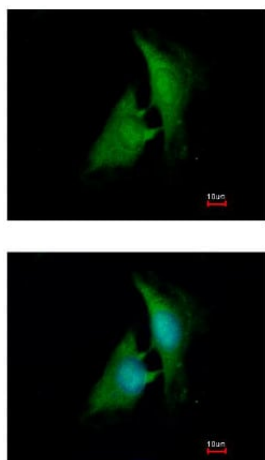
**Lane 1** : 293T whole cell lysate

**Lane 2** : A431 whole cell lysate

Lysates/proteins at 30 µg per lane.

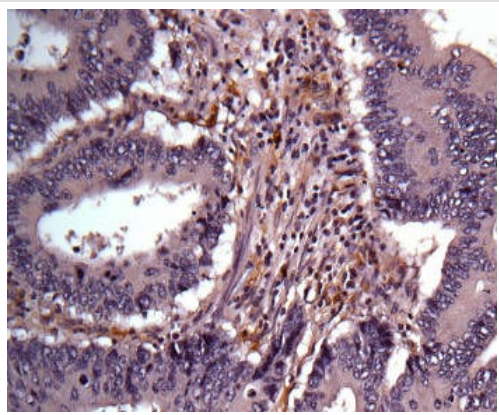
**Predicted band size:** 36 kDa

10% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-Aldose reductase antibody (ab153897)

Immunofluorescent analysis of methanol-fixed HeLa cells labeling Aldose reductase with ab153897 at 1/200 dilution. Lower image shows cells co-stained with Hoechst 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aldose reductase antibody (ab153897)

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labeling Aldose reductase with ab153897 at 1/500 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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