


Product datasheet

# Anti-ACOX2 antibody ab77251

1 Image

Overview

<b>Product name</b>	Anti-ACOX2 antibody
<b>Description</b>	Goat polyclonal to ACOX2
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Cow 
<b>Immunogen</b>	Synthetic peptide: C-HQSRLRPSDPEAK , corresponding to internal sequence amino acids 325-336 of Human ACOX2 (NP_003491.1). <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human Liver lysates.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab77251 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab77251** 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		

Application	Abreviews	Notes
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ELISA

### Application notes

ELISA: Use at an assay dependent dilution. Antibody detection limit dilution 1/32,000.  
 WB: Use at a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 75 kDa (predicted molecular weight: 77 kDa).  
 An additional band of unknown identity was also consistently observed at 150kDa. This band was successfully blocked by incubation with the immunising peptide.  
 Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

### Target

#### Function

Oxidizes the CoA esters of the bile acid intermediates di- and tri-hydroxycholestanoic acids.

#### Tissue specificity

Present in all tissues tested: heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Most abundant in heart, liver and kidney.

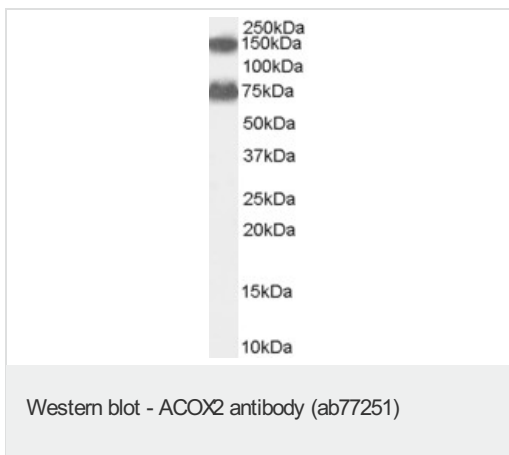
#### Sequence similarities

Belongs to the acyl-CoA oxidase family.

#### Cellular localization

Peroxisome.

### Anti-ACOX2 antibody images



Anti-ACOX2 antibody (ab77251) at 0.1 µg/ml  
 + Human Liver lysate (in RIPA buffer) at 35 µg

**Predicted band size :** 77 kDa

**Observed band size :** 77 kDa

**Additional bands at :** 150 kDa. We are unsure as to the identity of these extra bands.

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