


Product datasheet

Anti-Aldolase B antibody ab83403

1 Image

Overview

<b>Product name</b>	Anti-Aldolase B antibody
<b>Description</b>	Rabbit polyclonal to Aldolase B
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Sheep, Rabbit, Horse, Guinea pig, Cow, Cat, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Aldolase B aa 108-157 (internal sequence). Sequence: KLDQGGAPLAGTNKETTIQGLDGLSERCAQYKKGVDGFKWRAVLRIADQ <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human fetal liver lysate.

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: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab83403** 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. Detects a band of approximately 39 kDa (predicted molecular weight: 39 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

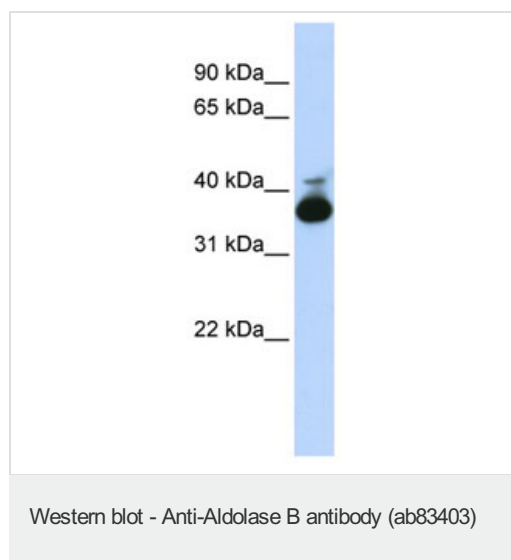
## Target

**Pathway** Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4.

**Involvement in disease** Defects in ALDOB are the cause of hereditary fructose intolerance (HFI) [MIM:229600]. HFI is an autosomal recessive disease that results in an inability to metabolize fructose and related sugars. Complete exclusion of fructose results in dramatic recovery; however, if not treated properly, HFI subjects suffer episodes of hypoglycemia, general ill condition, and risk of death the remainder of life.

**Sequence similarities** Belongs to the class I fructose-bisphosphate aldolase family.

## Images



Anti-Aldolase B antibody (ab83403) at 1 µg/ml  
(in 5% skim milk / PBS buffer) + Human fetal  
liver lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000  
dilution

**Predicted band size** : 39 kDa

**Observed band size** : 39 kDa

**Additional bands at** : 42 kDa. We are  
unsure as to the identity of these extra  
bands. Gel concentration: 12%

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