

Product datasheet

Anti-PDHX antibody ab178502

3 Images

Overview

<b>Product name</b>	Anti-PDHX antibody
<b>Description</b>	Rabbit polyclonal to PDHX
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human PDHX conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Corresponding to amino acid residues surrounding T11. Database link: <a href="#">O00330</a>
<b>Positive control</b>	Human Colon tissue; NC1-H460 cell line lysates; 293 cell lysates, transiently transfected with the PDX1 gene.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab178502** in the following tested applications.

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

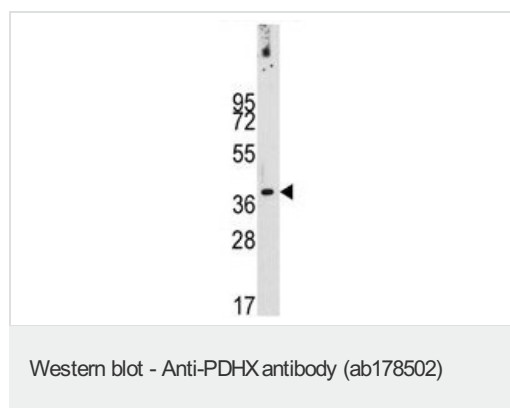
Application	Abreviews	Notes
ICC/IF		1/100.

Application	Abreviews	Notes
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/100 - 1/500. Predicted molecular weight: 54 kDa.

## Target

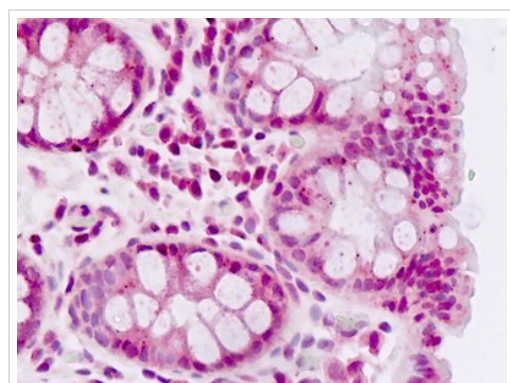
<b>Function</b>	Required for anchoring dihydrolipoamide dehydrogenase (E3) to the dihydrolipoamide transacetylase (E2) core of the pyruvate dehydrogenase complexes of eukaryotes. This specific binding is essential for a functional PDH complex.
<b>Involvement in disease</b>	Defects in PDHX are the cause of pyruvate dehydrogenase E3-binding protein deficiency (PDHXD) [MIM:245349].
<b>Sequence similarities</b>	Belongs to the 2-oxoacid dehydrogenase family. Contains 1 lipoyl-binding domain.
<b>Cellular localization</b>	Mitochondrion matrix.

## Images



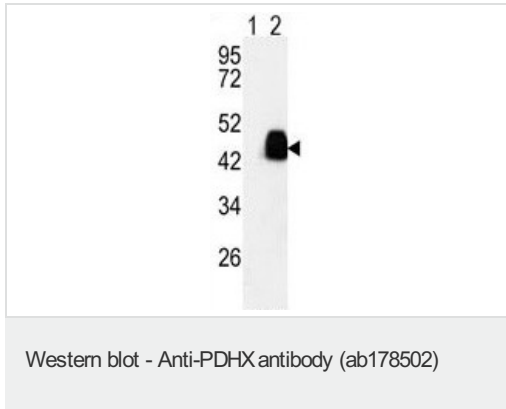
Anti-PDHX antibody (ab178502) at 1/100 dilution + NCI H460 cell lysate at 35 µg

**Predicted band size:** 54 kDa



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon tissue labeling PDHX with ab178502 at 10 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDHX antibody (ab178502)



**All lanes** : Anti-PDHX antibody (ab178502) at 1/100 dilution

**Lane 1** : 293 cell lysates, non-transfected

**Lane 2** : 293 cell lysates, transiently transfected with the PDX1 gene

Lysates/proteins at 2 µg per lane.

**Predicted band size:** 54 kDa

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

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