


Product datasheet

Anti-OGDH antibody - C-terminal ab137773

★★★★★ [4 Abreviews](#) [12 References](#) [4 Images](#)

Overview

Product name	Anti-OGDH antibody - C-terminal
Description	Rabbit polyclonal to OGDH - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Chicken, Cow 
Immunogen	Recombinant fragment, corresponding to a region within C terminal amino acids 705-1000 of Human OGDH (Uniprot ID: Q02218).
Positive control	293T, A431, H1299, HeLa S3, HepG2, MOLT4, Mouse brain and Raji whole cell lysates; HeLa cells; Human Cal27 xenograft tissue.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137773 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	★★★★★ (4)	1/1000 - 1/10000. Predicted molecular weight: 116 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

The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO(2). It contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3).

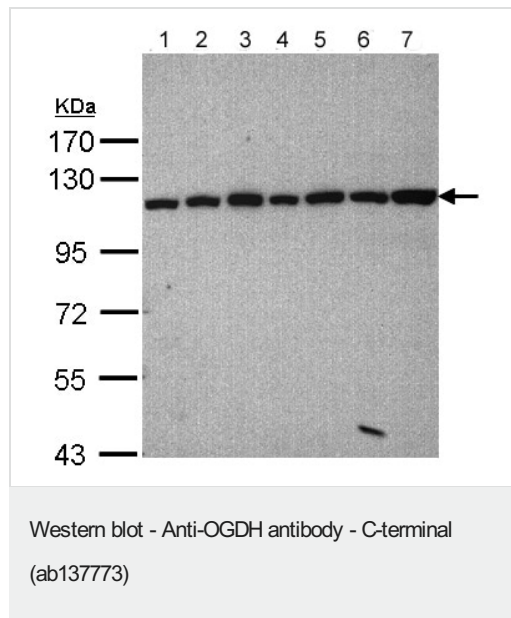
Sequence similarities

Belongs to the alpha-ketoglutarate dehydrogenase family.

Cellular localization

Mitochondrion matrix.

Images



All lanes : Anti-OGDH antibody - C-terminal (ab137773) at 1/1000 dilution

Lane 1 : 293T whole cell lysate

Lane 2 : A431 whole cell lysate

Lane 3 : H1299 whole cell lysate

Lane 4 : HeLa S3 whole cell lysate

Lane 5 : HepG2 whole cell lysate

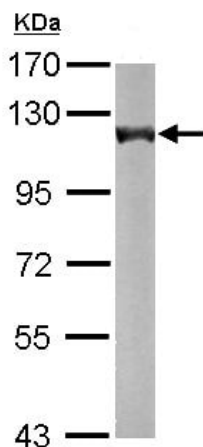
Lane 6 : MOLT4 whole cell lysate

Lane 7 : Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 116 kDa

7.5% SDS PAGE

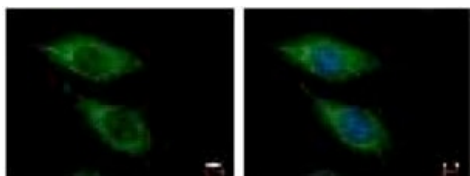


Western blot - Anti-ODGH antibody - C-terminal (ab137773)

Anti-ODGH antibody - C-terminal (ab137773) at 1/5000 dilution +
Mouse brain whole cell lysate at 50 µg

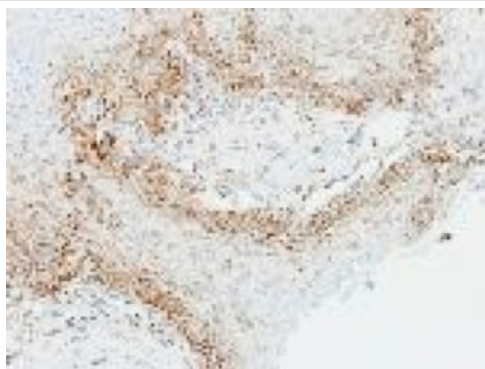
Predicted band size: 116 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-ODGH antibody - C-terminal (ab137773)

Immunofluorescence analysis of methanol-fixed HeLa cells labelling OGDH using ab137773 at 1/500 dilution. Right image shows cells co-stained with Hoechst 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ODGH antibody - C-terminal (ab137773)

Immunohistochemical analysis of paraffin-embedded Human Cal27 xenograft tissue labelling OGDH with **ab135660** at 1/500 dilution

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