

Anti-Transketolase antibody [7H1AA1] ab112997

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Overview

Product name	Anti-Transketolase antibody [7H1AA1]
Description	Mouse monoclonal [7H1AA1] to Transketolase
Host species	Mouse
Specificity	Shotgun immunization of human HeLa cell lysates into mice. Targets were determined by mass spectrometry and validated by WB, ICC, ELISA pair and other techniques.
Tested applications	Suitable for: IHC-P, ICC/IF, WB, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control	HeLa and HepG2 whole cell lysate (ab7900); HL60 and HeLa cells. Human normal colon FFPE tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: 99.98% HEPES buffered saline</p>
Purity	Proprietary Purification
Purification notes	ab112997 was produced in vitro using hybridomas grown in serum-free medium, and then

purified by biochemical fractionation. Monoclonal purity was near homogeneity as judged by SDS-PAGE (>95%).

Clonality	Monoclonal
Clone number	7H1AA1
Isotype	IgG1
Light chain type	kappa

Applications

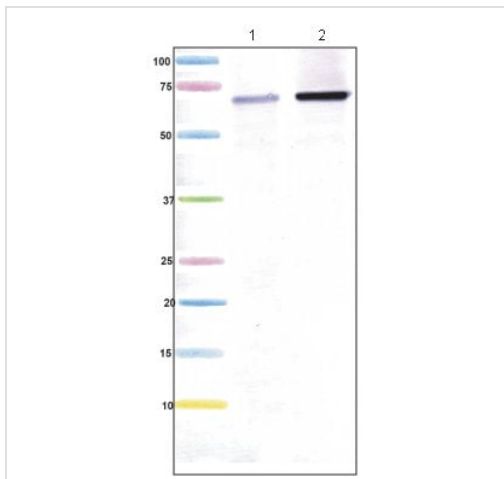
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab112997 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml.
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 68 kDa.
Flow Cyt		Use a concentration of 1 µg/ml. <u>ab170190</u> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Sequence similarities Belongs to the transketolase family.

Images



Western blot - Anti-Transketolase antibody
[7H1AA1] (ab112997)

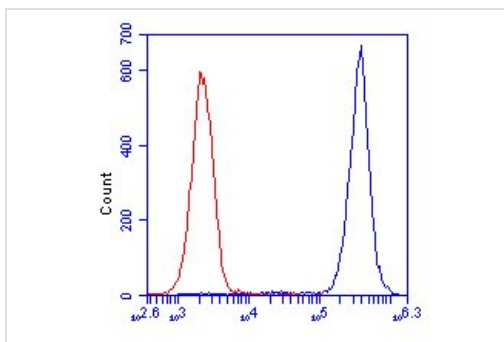
All lanes : Anti-Transketolase antibody [7H1AA1] (ab112997) at 1 $\mu\text{g/ml}$

Lane 1 : HepG2 Cell Lysate

Lane 2 : HeLa Cell Lysate

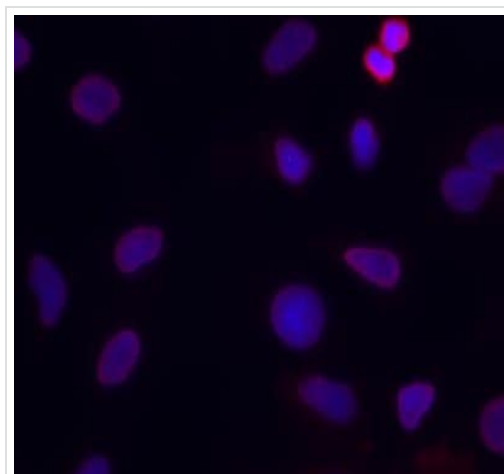
Lysates/proteins at 20 μg per lane.

Predicted band size: 68 kDa



Flow Cytometry - Anti-Transketolase antibody
[7H1AA1] (ab112997)

ab112997 at 1 $\mu\text{g/ml}$ staining Transketolase in HL60 cells by Flow Cytometry (blue). Isotype control antibody (red).



Immunocytochemistry/ Immunofluorescence - Anti-
Transketolase antibody [7H1AA1] (ab112997)

ab112997 at 1 $\mu\text{g/ml}$ staining Transketolase in HeLa cells by Immunocytochemistry (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (red). Nuclei were stained with DAPI (blue). Non specific fluorescence was reduced using a signal enhancer.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transketolase antibody [7H1AA1] (ab112997)

IHC image of Transketolase staining in Human normal colon formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab112997, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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