

Product datasheet

Anti-VPH1 antibody [10D7A7B2] ab113683

★★★★★ [1 Abreviews](#) [7 References](#) [1 Image](#)

Overview

Product name	Anti-VPH1 antibody [10D7A7B2]
Description	Mouse monoclonal [10D7A7B2] to VPH1
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: <i>Saccharomyces cerevisiae</i>
Immunogen	Full length native protein (purified). This information is considered to be commercially sensitive.
General notes	<p>This IgG2a kappa isotype control monoclonal antibody was raised in mouse against a yeast-specific protein, V-ATPase subunit (the product of VPH1 gene). It is a suitable isotype control for mammalian species.</p> <p>Isotype controls are used to confirm that the primary antibody binding is specific and not a result of non-specific Fc receptor binding or other protein interactions. The isotype control antibody should match the primary antibody's host species, isotype, and possible conjugation.</p> <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.
Storage buffer	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>

Purity	Immunogen affinity purified
Purification notes	The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by affinity purification.
Clonality	Monoclonal
Clone number	10D7A7B2
Isotype	IgG2a
Light chain type	kappa

Applications

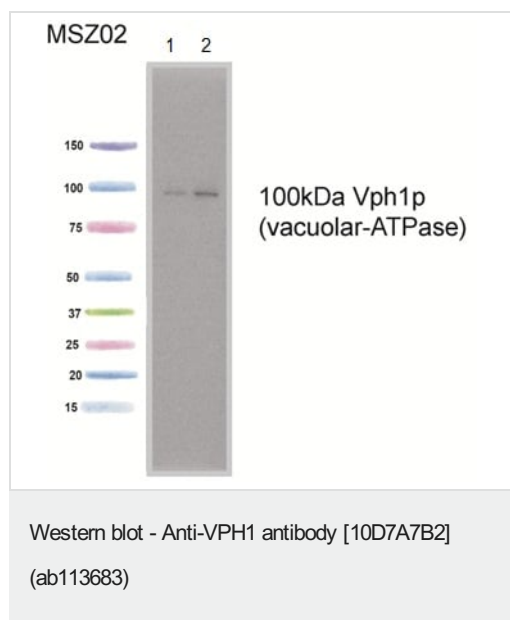
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab113683 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (1)	Use a concentration of 0.25 - 1 µg/ml. Detects a band of approximately 95 kDa (predicted molecular weight: 95 kDa).
ICC/IF		Use a concentration of 20 µg/ml. Heat induced antigen retrieval recommended.

Target

Function	Subunit of the integral membrane V0 complex of vacuolar ATPase essential for assembly and catalytic activity. Is present only in vacuolar V-ATPase complexes. Enzymes containing this subunit have a 4-fold higher ratio of proton transport to ATP hydrolysis than complexes containing the Golgi/endosomal isoform and undergo reversible dissociation of V1 and V0 in response to glucose depletion. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.
Sequence similarities	Belongs to the V-ATPase 116 kDa subunit family.
Post-translational modifications	Glycosylated.
Cellular localization	Vacuole membrane.

Images



All lanes : Anti-VPH1 antibody [10D7A7B2] (ab113683)

Lane 1 : Yeast whole cell lysate

Lane 2 : yeast membrane preparation

Lysates/proteins at 15 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 95 kDa

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