


Product datasheet

Anti-Olig3 antibody ab168573

[1 References](#) [3 Images](#)

Overview

Product name	Anti-Olig3 antibody
Description	Mouse polyclonal to Olig3
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant full length protein, corresponding to amino acids 1-272 of Human Olig3 (NP_786923.1, UniProt ID: Q7RTU3) Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Lysate from 293T cells transfected with Olig3; HeLa cells; Human lymph node tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab168573** in the following tested applications.

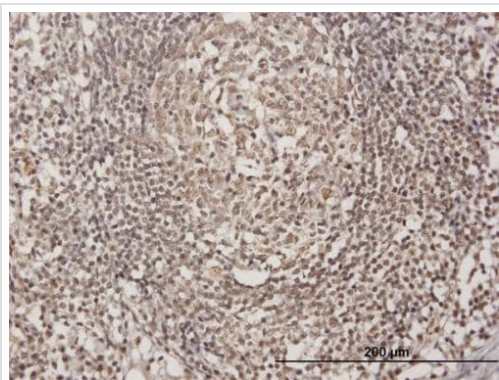
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 29 kDa.
IHC-P		Use a concentration of 3 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 10 µg/ml.

Target

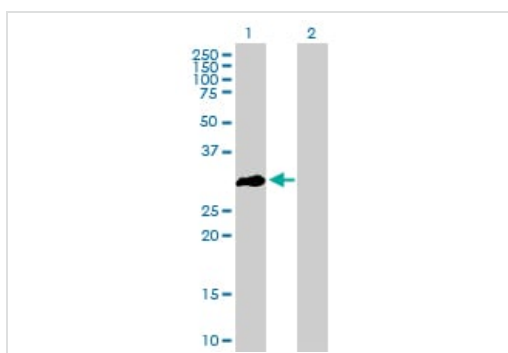
Function	May determine the distinct specification program of class A neurons in the dorsal part of the spinal cord and suppress specification of class B neurons.
Sequence similarities	Contains 1 bHLH (basic helix-loop-helix) domain.
Cellular localization	Nucleus.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Olig3 antibody (ab168573)

Immunohistochemical analysis of formalin-fixed paraffin-embedded Human lymph node tissue, labeling Olig3 using purified [ab157368](#) at 3 μg/ml.



Western blot - Anti-Olig3 antibody (ab168573)

All lanes : Anti-Olig3 antibody (ab168573) at 1 μg/ml

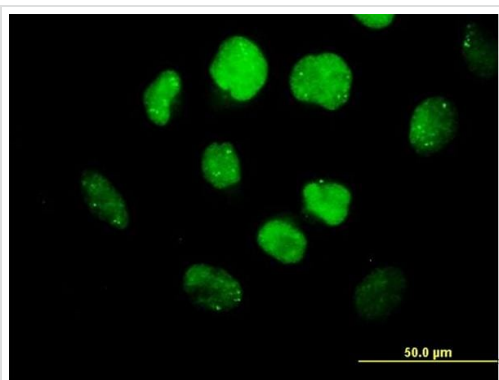
Lane 1 : Lysate from 293T cells transfected with Olig3

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 15 μl per lane.

Developed using the ECL technique.

Predicted band size: 29 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Olig3 antibody (ab168573)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells, labeling Olig3 using ab168573 at 10 μg/ml.

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