

Anti-Pioneer neuron marker antibody [ZNS-2] α 183372

★★★★★ [1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-Pioneer neuron marker antibody [ZNS-2]
Description	Mouse monoclonal [ZNS-2] to Pioneer neuron marker
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, IHC-P
Species reactivity	Reacts with: Zebrafish Does not react with: Human
Immunogen	Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control	Brain, Gut, and Eye tissue.
General notes	<p>It is thought that axons of pioneer neurons serve as a pathway for additional neurons that develop later in the embryo and project their axons to the appropriate target. In many systems pioneer neurons are eliminated by programmed cell-death and are not present in the adult.</p> <p>Location : Fin hair cell, hindbrain horizontal cell, retinal cone cell, retinal inner plexiform layer and pioneer neuron.</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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.5

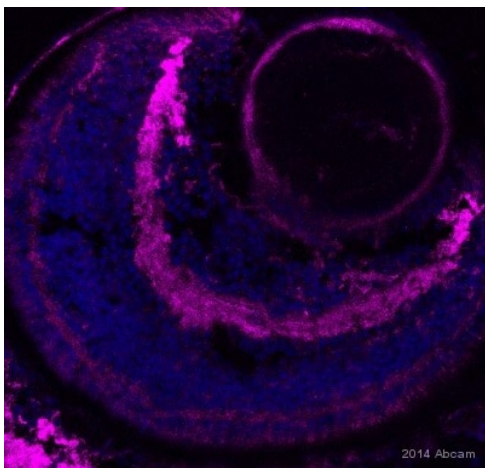
	Preservative: 0.02% Sodium azide Constituent: 99% HEPES buffered saline
Purity	SDS-PAGE
Purification notes	Near homogeneity as judged by SDS-PAGE. The antibody was produced in vitro using hybridomas grown in serum-free medium, and then concentrated by chemical fractionation.
Clonality	Monoclonal
Clone number	ZNS-2
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183372 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-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

Images



Immunohistochemistry (Frozen sections) - Anti-Pioneer neuron marker antibody [ZNS-2] (ab183372)
This image is courtesy of an Abreview submitted by Dr Ryan MacDonald

ab183372 staining in 4 dpf zebrafish embryo retina sections by IHC-Fr. The tissue was fixed with paraformaldehyde and permeabilization was performed using 0.5% Triton X. Blocking of the sample was done with 5% BSA in PBS containing 0.5% Triton X, for 60 minutes at 23°C, followed by staining with ab183372 at 1/100 in blocking solution for 16h at 4°C. An alexa 647 conjugated goat anti-mouse polyclonal antibody at 1/500 was used as the secondary antibody. Nuclei are stained in blue with DAPI. The IPL and OPL can be observed.

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