

Product datasheet

Anti-Sodium/Hydrogen Exchanger 1/NHE-1 antibody [4E9] ab24018

1 References

Overview

Product name	Anti-Sodium/Hydrogen Exchanger 1/NHE-1 antibody [4E9]
Description	Mouse monoclonal [4E9] to Sodium/Hydrogen Exchanger 1/NHE-1
Host species	Mouse
Specificity	Na ⁺ /H ⁺ exchanger, isoform NHE1.
Tested applications	Suitable for: WB Unsuitable for: IHC-Fr,IHC-P or IP
Species reactivity	Reacts with: Human, Pig
Immunogen	Fusion protein corresponding to Pig Sodium/Hydrogen Exchanger 1/NHE-1 (C terminal). Database link: P48762
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: 0.0268% PBS, 1.45% Sodium chloride
Purity	Tissue culture supernatant
Purification notes	Purified immunoglobulin from culture supernatant.
Clonality	Monoclonal
Clone number	4E9

Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24018 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 at an assay dependent concentration.

Application notes Is unsuitable for IHC-Fr,IHC-P or IP.

Target

Function Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction.

Tissue specificity Kidney and intestine.

Sequence similarities Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.

Post-translational modifications Phosphorylated upon DNA damage, probably by ATM or ATR. O-glycosylated.

Cellular localization Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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