Product datasheet

Anti-Sodium / Hydrogen Exchanger 1 antibody
ab67314

Overview

Product name: Anti-Sodium / Hydrogen Exchanger 1 antibody
Description: Rabbit polyclonal to Sodium / Hydrogen Exchanger 1
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, WB, IHC-FoFr, IHC-P
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: A 17 amino acid synthetic peptide from near the center of Human Sodium/ Hydrogen Exchanger 1.
Positive control: MOLT4 cell lysate. Human brain tissue.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Preservative: 0.02% Sodium Azide
Constituents: PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab67314 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 20817726</td>
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<tr>
<td>WB</td>
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<td>Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 91 kDa (predicted molecular weight: 91 kDa).</td>
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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.

Images

Western blot - Sodium / Hydrogen Exchanger 1 antibody (ab67314)

Lane 1: Anti-Sodium / Hydrogen Exchanger 1 antibody (ab67314) at 1 µg/ml
Lane 2: Anti-Sodium / Hydrogen Exchanger 1 antibody (ab67314) at 2 µg/ml

All lanes: MOLT4 cell lysate
Lysates/proteins at 15 µg per lane.

Predicted band size: 91 kDa
Observed band size: 91 kDa
Additional bands at: 48 kDa (possible isoform)
Immunofluorescence of Nhe-1 in Human Brain cells using ab67314 at 20 ug/ml.

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