

## Product datasheet

# Anti-alpha 1 Sodium Potassium ATPase antibody ab211130

[1 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-alpha 1 Sodium Potassium ATPase antibody
<b>Description</b>	Rabbit polyclonal to alpha 1 Sodium Potassium ATPase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC - Wholemount
<b>Species reactivity</b>	<b>Reacts with:</b> Zebrafish
<b>Immunogen</b>	Recombinant fragment within Zebrafish alpha 1 Sodium Potassium ATPase aa 620-868. The exact sequence is proprietary. Database link: <a href="#">64615</a>
<b>Positive control</b>	Zebrafish brain whole cell lysate, zebrafish tissue.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: PBS, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab211130** in the following tested applications.

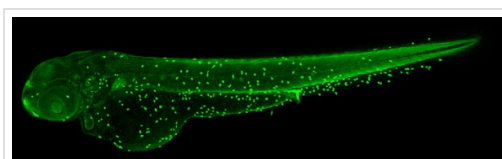
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000 - 1/20000. Predicted molecular weight: 113 kDa.
IHC - Wholemount		1/100 - 1/500.

## Target

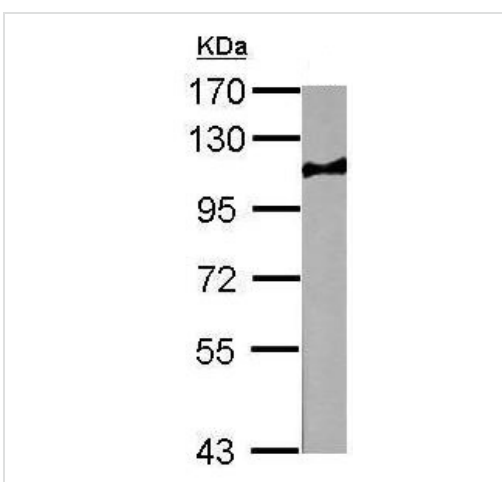
<b>Function</b>	This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.
<b>Sequence similarities</b>	Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIC subfamily.
<b>Post-translational modifications</b>	Phosphorylation on Tyr-10 modulates pumping activity.
<b>Cellular localization</b>	Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## Images



IHC - Wholemount - Anti-alpha 1 Sodium Potassium ATPase antibody (ab211130)

3 days-post fertilization zebrafish embryo stained for alpha 1 Sodium Potassium ATPase with [ab2111130](#) (1/100) in Immunohistochemical (wholemount) analysis.



Western blot - Anti-alpha 1 Sodium Potassium ATPase antibody (ab211130)

Anti-alpha 1 Sodium Potassium ATPase antibody (ab211130) at 1/20000 dilution + Zebrafish brain whole cell lysate at 10 µg

**Predicted band size:** 113 kDa

7.5% SDS-PAGE

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

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