



## Product datasheet

### Anti-ATP13A2 antibody ab43074

[1 Image](#)

#### Overview

<b>Product name</b>	Anti-ATP13A2 antibody
<b>Description</b>	Rabbit polyclonal to ATP13A2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Synthetic peptide: C-ELHRQEEAKQVLRYY conjugated to KLH, corresponding to amino acids 147-161 of Mouse ATP13A2 <a href="#"> Run BLAST with</a> <a href="#"> Run BLAST with</a>
<b>Positive control</b>	Rat peripheral sensory ganglia.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab43074 in the following tested applications.

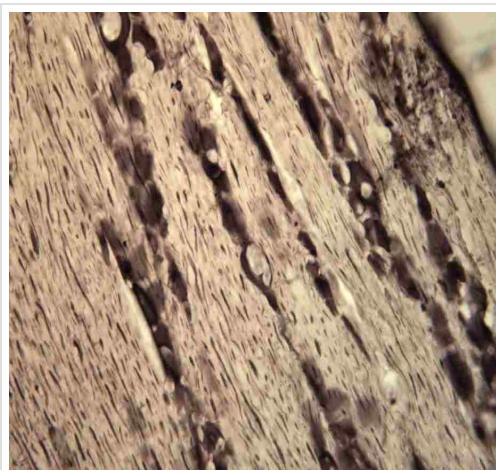
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		1/2000.

## Target

<b>Involvement in disease</b>	Defects in ATP13A2 are the cause of Kufor-Rakeb syndrome (KRS) [MIM:606693]; also known as Parkinson disease type 9 (PARK9). KRS is a rare hereditary disease with juvenile onset. In addition to typical signs of Parkinson disease, affected individuals show symptoms of more widespread neurodegeneration, including dementia.
<b>Sequence similarities</b>	Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type V subfamily.
<b>Cellular localization</b>	Membrane.

## Images



Immunohistochemistry (Frozen sections) - Anti-ATP13A2 antibody (ab43074)

Ab43074 staining ATP13A2 by immunohistochemistry using frozen tissue.

The cryostat section of the rat spinal cord was incubated in ab43074 to the mouse ATPase protein at the dilution of 1:1000 overnight followed with a biotinylated secondary antibody and ABC kit. The section was developed in diaminobenzidine solution and enhanced in the presence of nickel sulphate. Cell bodies and nerve fibers in the trigeminal nerve are stained.

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

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