

### Anti-NPAS1 antibody ab183655

★ ★ ★ ★ ★ [1 Abreviews](#) [1 References](#) [5 Images](#)

#### Overview

<b>Product name</b>	Anti-NPAS1 antibody
<b>Description</b>	Rabbit polyclonal to NPAS1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human NPAS1 aa 116-398. The exact sequence is proprietary. Database link: <a href="#">Q99742</a>
<b>Positive control</b>	U87-MG cells and cell lysates; IMR32 and SK-N-AS cell lysates; mouse liver tissue; mouse middle brain tissue; rat fore brain tissue.
<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. 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: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183655 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-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 63 kDa.
ICC/IF	★ ★ ★ ★ ★ (1)	1/100 - 1/1000.

## Target

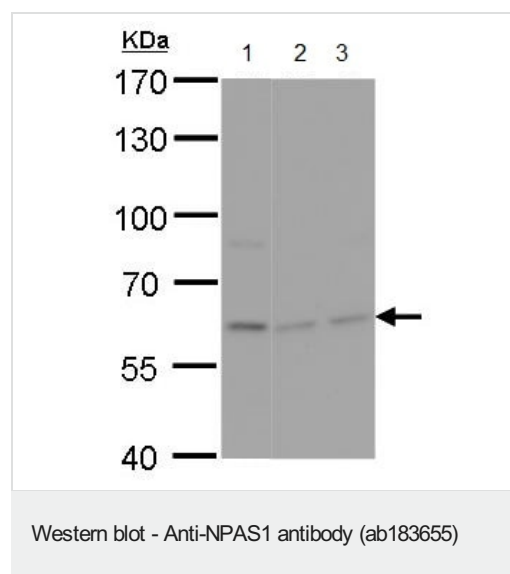
### Relevance

PASD5 is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. Studies of a related mouse gene suggest that it functions in neurons. The exact function of PASD5 is unclear, but it may play protective or modulatory roles during late embryogenesis and postnatal development.

### Cellular localization

Nuclear

## Images



**All lanes :** Anti-NPAS1 antibody (ab183655) at 1/1000 dilution

**Lane 1 :** U87-MG whole cell lysate/extract

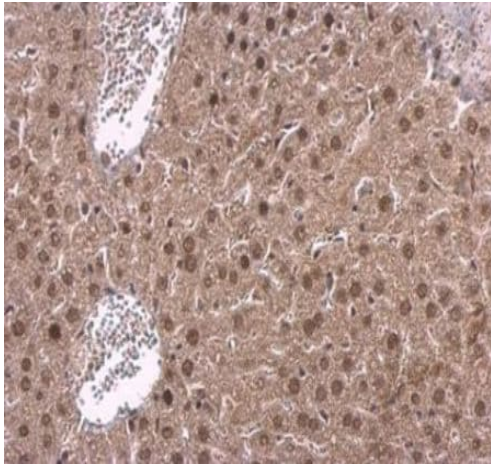
**Lane 2 :** IMR32 whole cell lysate/extract

**Lane 3 :** SK-N-AS whole cell lysate/extract

Lysates/proteins at 30 µg per lane.

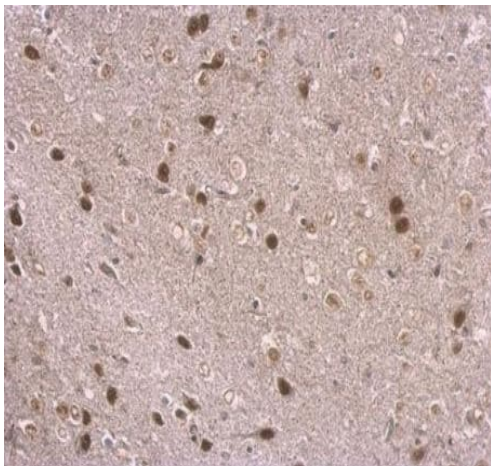
**Predicted band size:** 63 kDa

7.5% SDS-PAGE



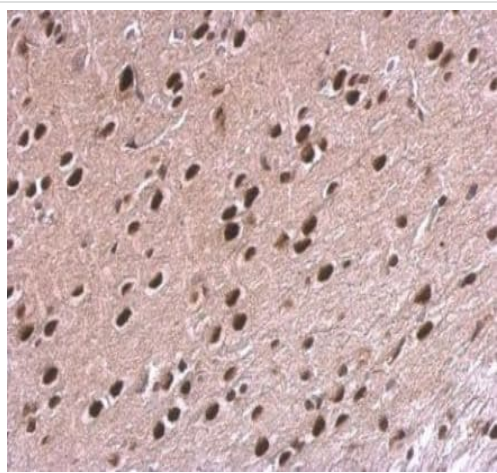
Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling NPAS1 with ab183655 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NPAS1 antibody (ab183655)



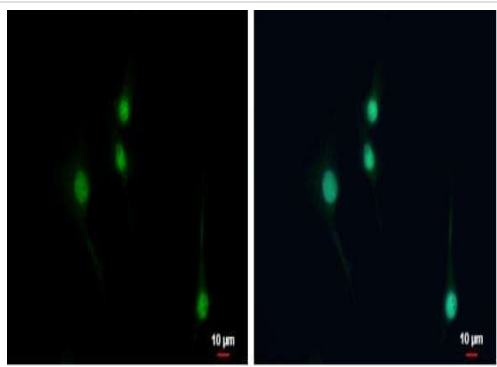
Immunohistochemical analysis of paraffin-embedded mouse middle brain tissue labeling NPAS1 with ab183655 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NPAS1 antibody (ab183655)



Immunohistochemical analysis of paraffin-embedded rat fore brain tissue labeling NPAS1 with ab183655 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NPAS1 antibody (ab183655)



Immunofluorescence analysis of paraformaldehyde-fixed U87-MG cells labeling NPAS1 with ab183655 at 1/500 dilution (green). The slide on the right is counterstained with Hoechst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-NPAS1 antibody (ab183655)

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

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