

## Product datasheet

### Anti-WFS1 antibody ab224767

4 Images

#### Overview

<b>Product name</b>	Anti-WFS1 antibody
<b>Description</b>	Rabbit polyclonal to WFS1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human WFS1 aa 750 to the C-terminus. Database link: <a href="#">O76024</a>
	<a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human heart muscle, Lung, Testis and Pancreas 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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<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 ab224767 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		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

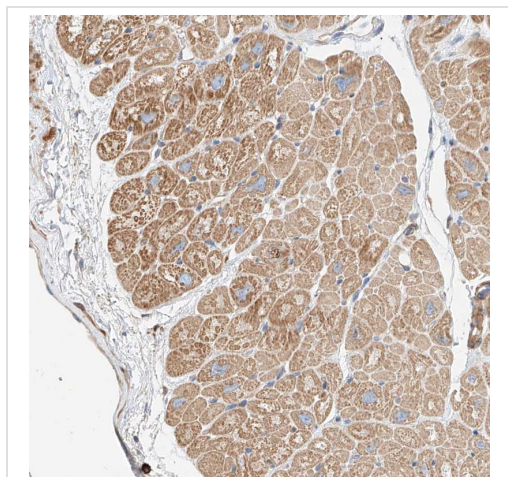
### Relevance

WFS1 is a novel component of Wolfram syndrome, a rare form of juvenile diabetes. WFS1 plays an important role in maintaining homeostasis of the endoplasmic reticulum (ER) in the pancreas. It is normally up-regulated during insulin secretion, whereas inactivation of the protein can cause ER stress. Chronic ER stress is a major involvement in Wolfram syndrome.

### Cellular localization

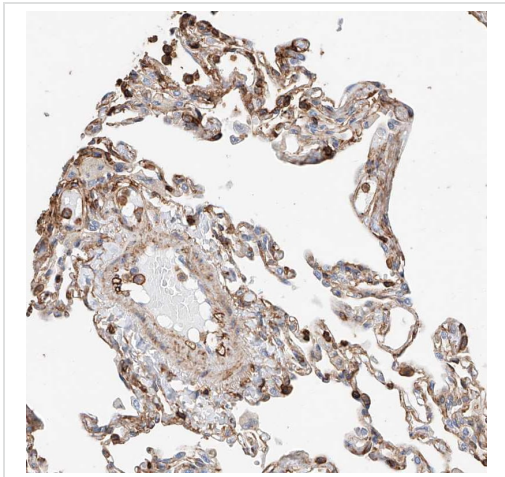
Endoplasmic reticulum; endoplasmic reticulum membrane; multipass membrane protein

## Images



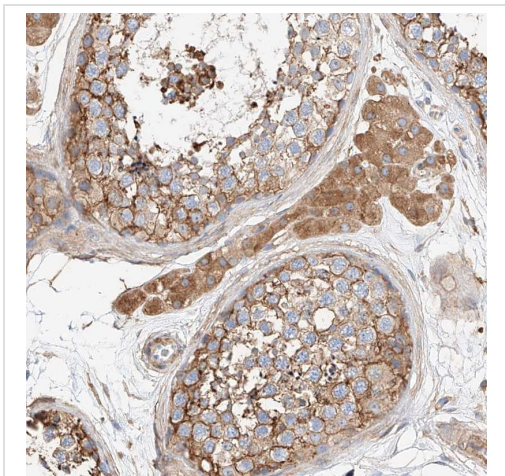
Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) analysis in human Heart muscle tissue labeling GUSB with ab224767 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WFS1 antibody (ab224767)



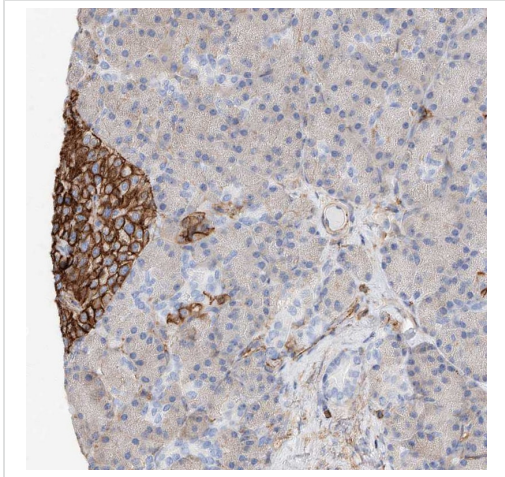
Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) analysis in human Lung tissue labeling GUSB with ab224767 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WFS1 antibody (ab224767)



Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) analysis in human Testis tissue labeling GUSB with ab224767 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WFS1 antibody (ab224767)



Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) analysis in human Pancreas tissue labeling GUSB with ab224767 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WFS1 antibody (ab224767)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors