



## Product datasheet

# Anti-OAS1 antibody ab232862

9 Images

### Overview

<b>Product name</b>	Anti-OAS1 antibody
<b>Description</b>	Rabbit polyclonal to OAS1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Pig
<b>Immunogen</b>	<p>Recombinant fragment (His-tag) corresponding to Human OAS1 aa 74-165. Expressed in E. coli. N-terminal tag.</p> <p>Sequence:</p> <p>SDADLVVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRER            AFSVKFEVQA            PRWGNPRALSFVLSSLQLGEGVEFDVLPFDALGQLTGG            YK</p> <p>Database link: <a href="#">P00973-1</a></p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>                 <a href="#">Run BLAST with</a> </p>
<b>Positive control</b>	IHC-P: Human glioma, liver, liver cancer, breast cancer, colorectal cancer, stomach cancer and cerebrum tissue. WB: Recombinant human OAS1 protein. Pig cerebrum tissue lysate. HepG2 cell lysate.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## 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: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab232862** 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		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml.

## Target

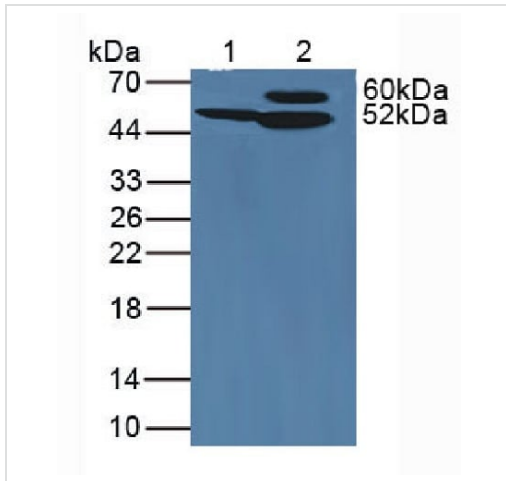
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<b>Function</b>	May play a role in mediating resistance to virus infection, control of cell growth, differentiation, and apoptosis.
<b>Sequence similarities</b>	Belongs to the 2-5A synthase family.
<b>Cellular localization</b>	Mitochondrion. Nucleus. Microsome. Endoplasmic reticulum. Associated with different subcellular fractions such as mitochondrial, nuclear, and rough/smooth microsomal fractions.

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## Images

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Western blot - Anti-OAS1 antibody (ab232862)

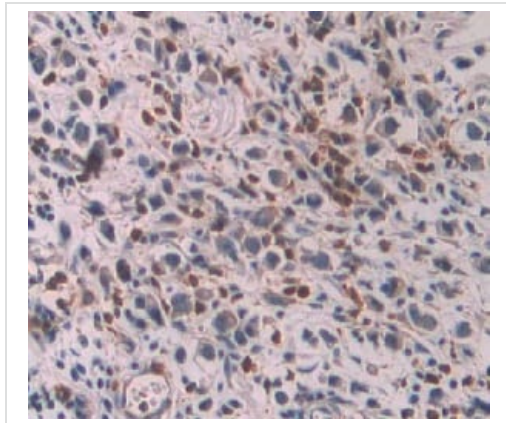
**All lanes** : Anti-OAS1 antibody (ab232862) at 5 µg/ml

**Lane 1** : HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate

**Lane 2** : Pig brain tissue lysate

**Secondary**

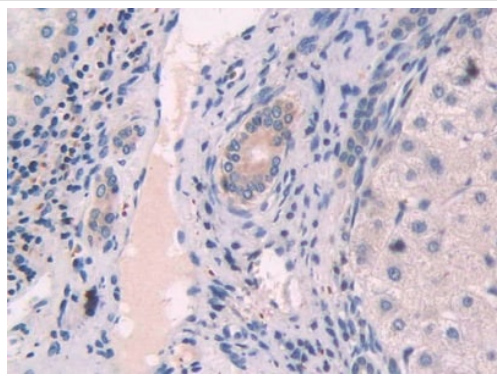
**All lanes** : HRP-linked Guinea pig anti-Rabbit at 1/1000 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human stomach cancer tissue stained for OAS1 with ab232862 at 20 µg/ml in immunohistochemical analysis.

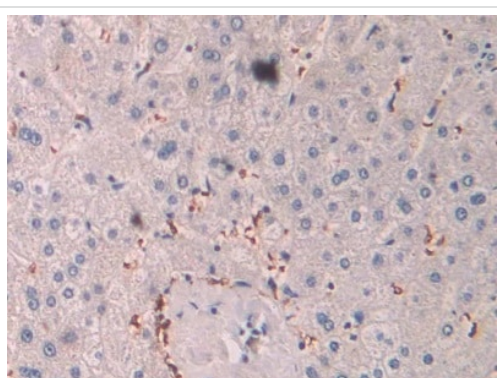
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human liver cancer tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

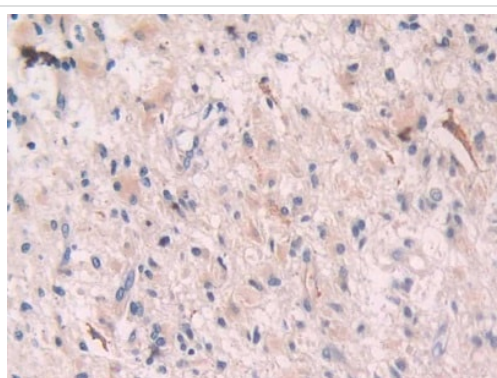
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human liver tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

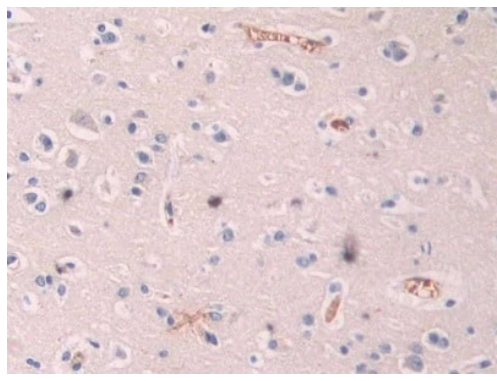
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human glioma tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

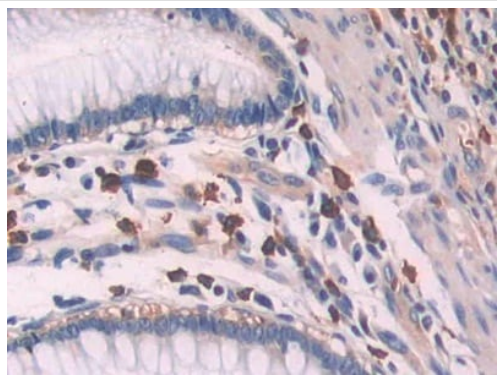
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human cerebrum tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

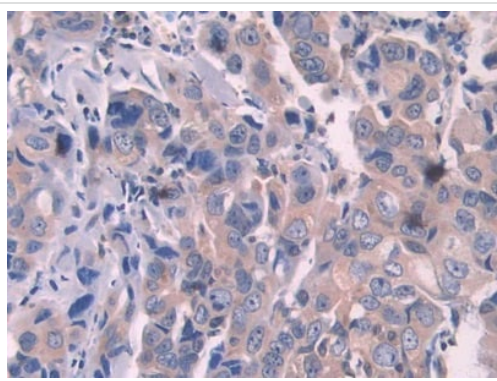
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human colorectal cancer tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

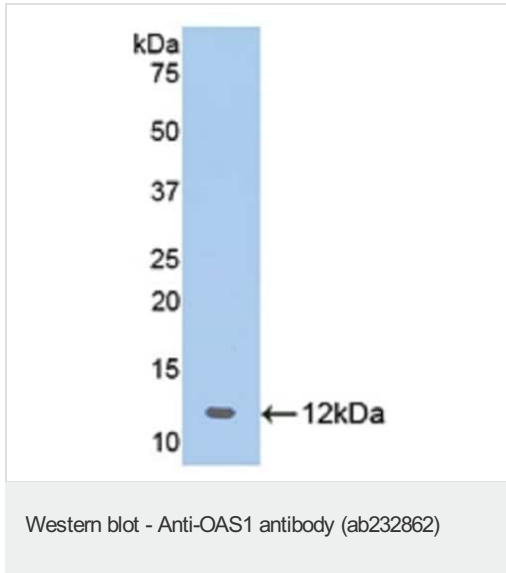
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OAS1 antibody (ab232862)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for OAS1 with ab232862 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis.

Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2  $\mu\text{g/ml}$ . DAB staining.



Anti-OAS1 antibody (ab232862) at 2  $\mu$ g/ml + Recombinant human OAS1 protein

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

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