




Anti-ornithine aminotransferase antibody ab231808

7 Images

Overview

Product name	Anti-ornithine aminotransferase antibody
Description	Rabbit polyclonal to ornithine aminotransferase
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Rat, Human, Pig Predicted to work with: Mouse, Cow 
Immunogen	Recombinant full length protein (His-T7-tag) corresponding to Human ornithine aminotransferase aa 1 to the C-terminus. (Expressed in E.coli). Database link: P04181-2  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human ornithine aminotransferase protein; Pig liver and kidney lysates; Rat testis and pancreas lysates. IHC-P: Human lung cancer, colorectal cancer, kidney, glioma and liver tissues.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	ab231808 was purified by antigen-specific affinity chromatography followed by Protein A affinity

chromatography.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab231808 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		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 33, 49 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

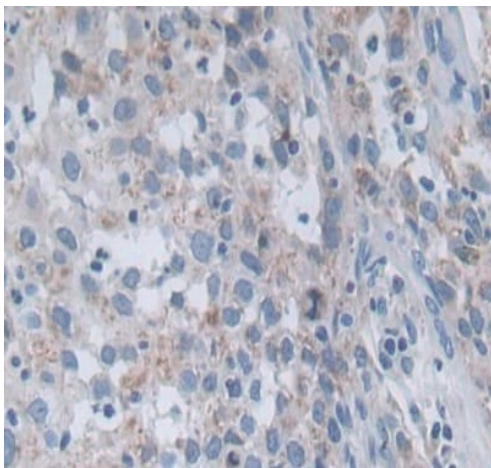
Relevance

Ornithine aminotransferase (OAT) is a key mitochondrial enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. OAT has also been linked with prostate cancer and alternatively activated macrophages

Cellular localization

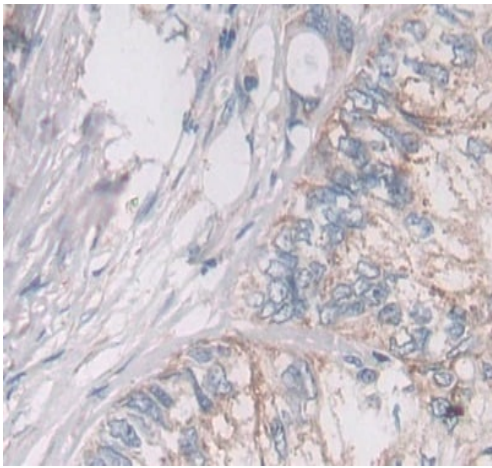
Mitochondrion matrix.

Images



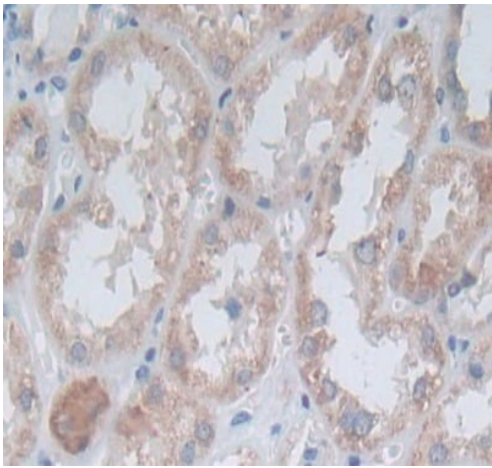
Paraffin-embedded human lung cancer tissue stained for ornithine aminotransferase using ab231808 at 30 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ornithine aminotransferase antibody (ab231808)



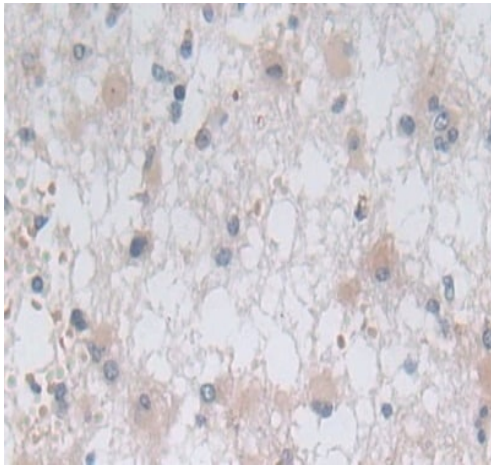
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ornithine aminotransferase antibody (ab231808)

Paraffin-embedded human colorectal cancer tissue stained for ornithine aminotransferase using ab231808 at 20 µg/ml in immunohistochemical analysis.



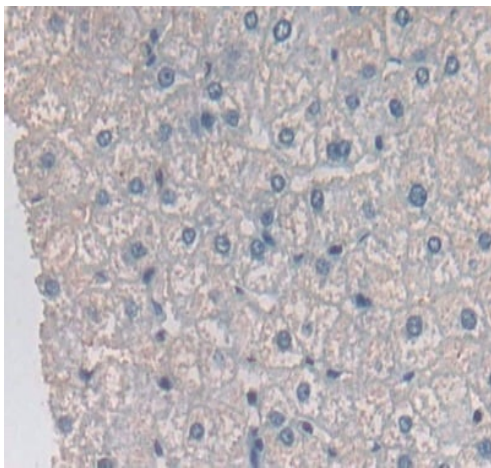
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ornithine aminotransferase antibody (ab231808)

Paraffin-embedded human kidney tissue stained for ornithine aminotransferase using ab231808 at 20 µg/ml in immunohistochemical analysis.



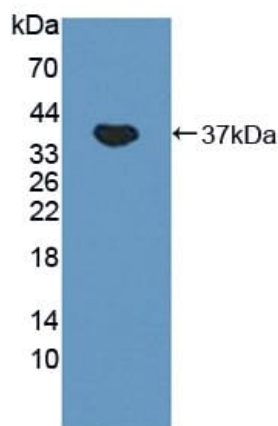
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ornithine aminotransferase antibody (ab231808)

Paraffin-embedded human glioma tissue stained for ornithine aminotransferase using ab231808 at 20 µg/ml in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ornithine aminotransferase antibody (ab231808)

Paraffin-embedded human liver tissue stained for ornithine aminotransferase using ab231808 at 20 µg/ml in immunohistochemical analysis.



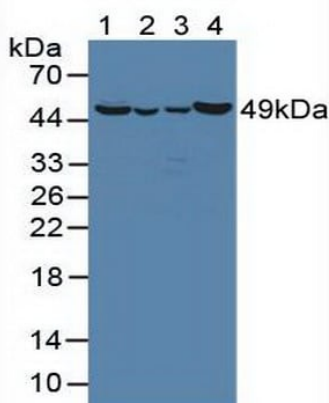
Western blot - Anti-ornithine aminotransferase antibody (ab231808)

Anti-ornithine aminotransferase antibody (ab231808) at 1 µg/ml +
Recombinant human ornithine aminotransferase protein

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 33, 49 kDa



Western blot - Anti-ornithine aminotransferase antibody (ab231808)

All lanes : Anti-ornithine aminotransferase antibody (ab231808) at
1 µg/ml

Lane 1 : Pig liver lysate

Lane 2 : Pig kidney lysate

Lane 3 : Rat testis lysate

Lane 4 : Rat pancreas lysate

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 33, 49 kDa

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

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