




Product datasheet

Anti-LIAS antibody ab246917

10 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-LIAS antibody |
| Description | Rabbit polyclonal to LIAS |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB, ICC/IF |
| Species reactivity | Reacts with: Mouse, Rat, Human Predicted to work with: Cow  |
| Immunogen | Recombinant fragment corresponding to Human LIAS aa 200-350. Database link: O43766  Run BLAST with  Run BLAST with |
| Positive control | IHC-P: Human testis, cerebellum, prostate, small intestine and hippocampus tissues; Mouse cerebellum, lateral ventricle and subfornical organ tissues. ICC/IF: U-2 OS cells. WB: NIH 3T3 and NBT-11 cell lysates. |
| 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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab246917 in the following tested applications.

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

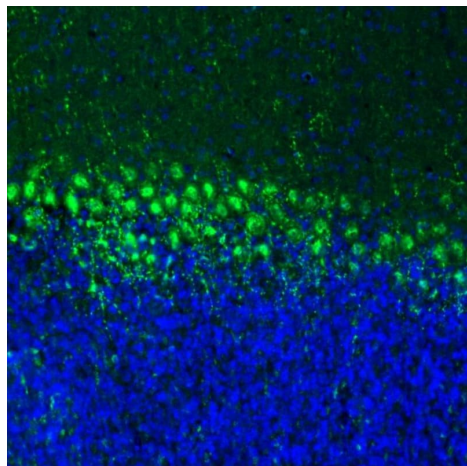
| Application | Abreviews | Notes |
|-------------|-----------|--|
| IHC-P | | 1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| WB | | Use a concentration of 0.04 - 0.4 µg/ml. |
| ICC/IF | | Use a concentration of 0.25 - 2 µg/ml. |

Target

Relevance LIAS (Lipoic acid synthetase) is involved in the synthesis of alpha-(+)-lipoic acid. It may have a role in the sulfur insertion chemistry in lipoate biosynthesis.

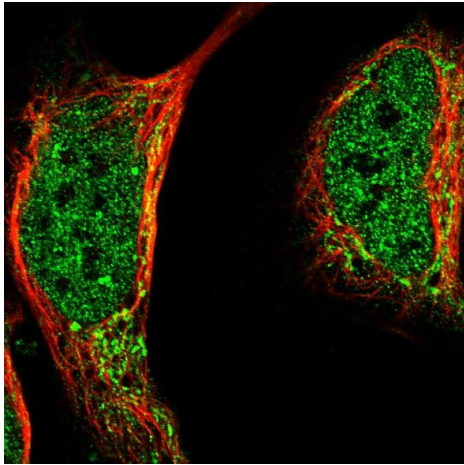
Cellular localization Mitochondrial

Images



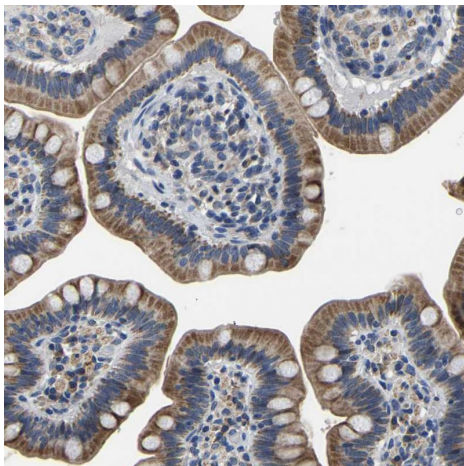
Formalin-fixed, paraffin-embedded mouse cerebellum tissue stained for LIAS with ab246917 at a 1/50 dilution (green) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)



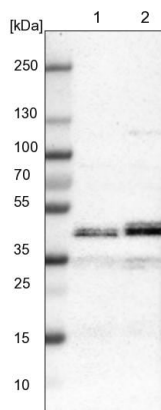
Immunocytochemistry/ Immunofluorescence - Anti-LIAS antibody (ab246917)

ab246917 staining LIAS in human U-2 OS cells by immunocytochemistry. Cells were fixed with PFA, permeabilized with Triton X-100 and incubated with ab246917 at 0.25 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)

Formalin-fixed, paraffin-embedded human small intestine tissue stained for LIAS with ab246917 at a 1/50 dilution in immunohistochemical analysis.

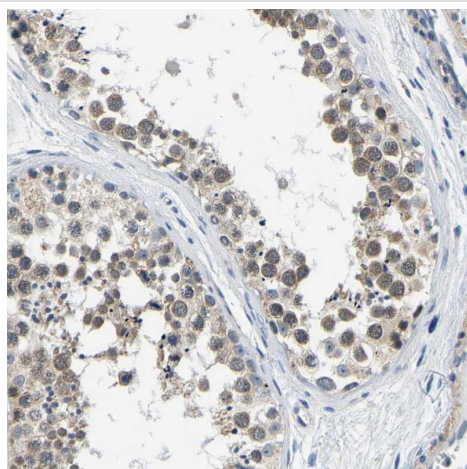


Western blot - Anti-LIAS antibody (ab246917)

All lanes : Anti-LIAS antibody (ab246917) at 0.4 $\mu\text{g/ml}$

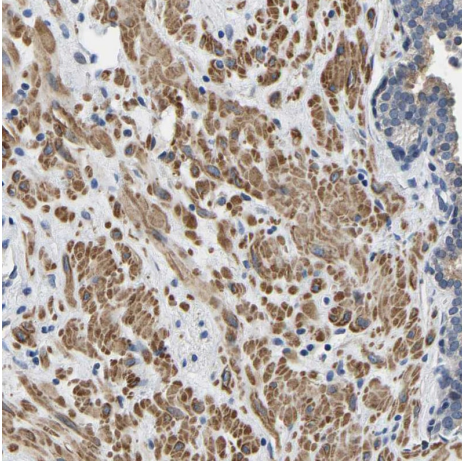
Lane 1 : NIH/3T3 (Mouse embryo fibroblast cell line) cell lysate

Lane 2 : NBT-II (Rat cell line) cell lysate



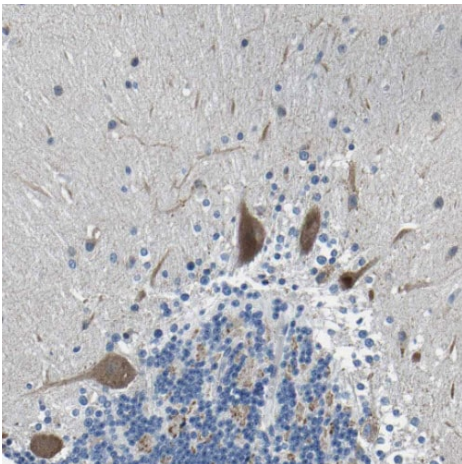
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)

Formalin-fixed, paraffin-embedded human testis tissue stained for LIAS with ab246917 at a 1/50 dilution in immunohistochemical analysis.



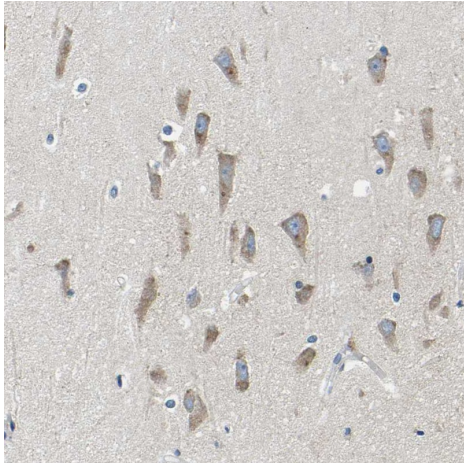
Formalin-fixed, paraffin-embedded human prostate tissue stained for LIAS with ab246917 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)



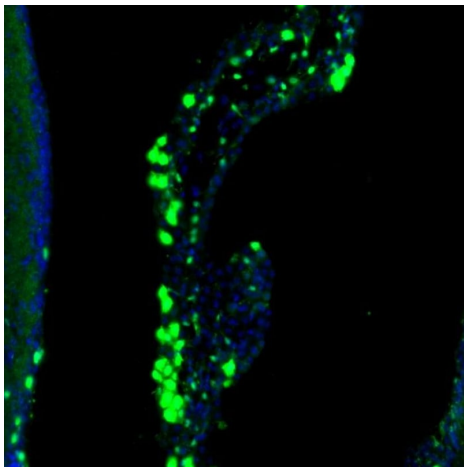
Formalin-fixed, paraffin-embedded human cerebellum tissue stained for LIAS with ab246917 at a 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)



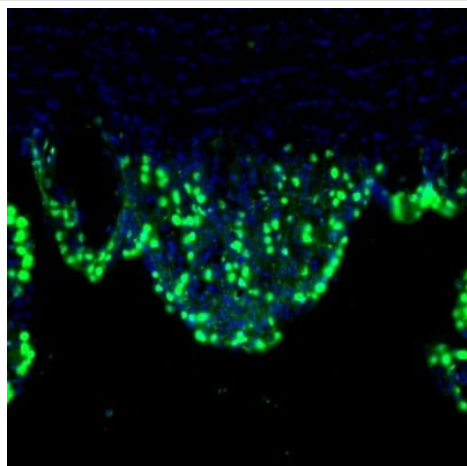
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)

Formalin-fixed, paraffin-embedded human hippocampus tissue stained for LIAS with ab246917 at a 1/50 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)

Formalin-fixed, paraffin-embedded mouse lateral ventricle tissue stained for LIAS with ab246917 at a 1/50 dilution (green) in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIAS antibody (ab246917)

Formalin-fixed, paraffin-embedded mouse subfornical organ tissue stained for LIAS with ab246917 at a 1/50 dilution (green) in immunohistochemical analysis.

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