abcam

Product datasheet

Anti-BLBP antibody ab110099

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Overview

Product name	Anti-BLBP antibody
Description	Goat polyclonal to BLBP
Host species	Goat
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Cow, Pig
Immunogen	Synthetic peptide corresponding to Human BLBP (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH).
Positive control	Human cerebellum, heart or skeletal muscle tissue.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110099 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)	Use a concentration of 2.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers.

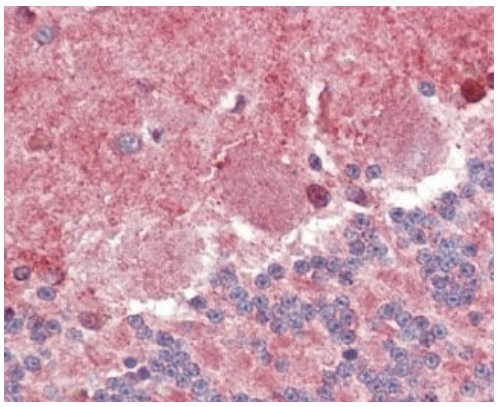
Tissue specificity Expressed in brain and other neural tissues.

Sequence similarities Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

Domain Forms a beta-barrel structure that accommodates the hydrophobic ligand in its interior.

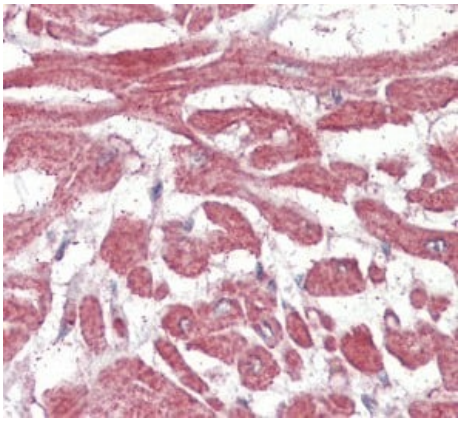
Cellular localization Cytoplasm.

Images



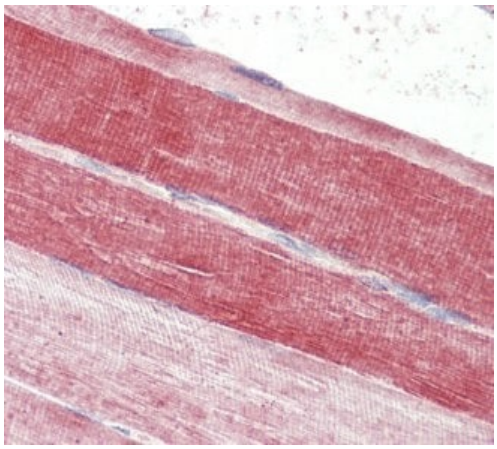
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BLBP antibody (ab110099)

ab110099 at 2.5µg/ml staining BLBP in formalin-fixed, paraffin-embedded Human cerebellum tissue after heat induced antigen retrieval in pH 6.0 citrate buffer.
After incubation with the primary antibody, the slides were incubated with a biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BLBP antibody (ab110099)

ab110099 at 2.5µg/ml staining BLBP in formalin-fixed, paraffin-embedded Human heart tissue after heat induced antigen retrieval in pH 6.0 citrate buffer.
After incubation with the primary antibody, the slides were incubated with a biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BLBP antibody (ab110099)

ab110099 at 2.5µg/ml staining BLBP in formalin-fixed, paraffin-embedded Human skeletal muscle tissue after heat induced antigen retrieval in pH 6.0 citrate buffer.
After incubation with the primary antibody, the slides were incubated with a biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BLBP antibody (ab110099)

This image is courtesy of an Abreview submitted by Bharti Katbamna

ab110099 staining BLBP in Xenopus laevis gindbrain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with Bouin's solution, permeabilized with 0.4% Triton X-100 in 3% normal horse serum and blocked with 3% serum for 2 hours at room temperature; antigen retrieval was by heat mediation in 10mM citrate buffer. Samples were incubated with primary antibody (1/100 in 0.4% Triton X-100 in 3% normal horse serum) for 12 hours at 4°C. An undiluted HRP-conjugated horse anti-goat IgG polyclonal was used as the secondary antibody.

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