

# BLBP Recombinant Mouse mAb

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Catalog # AP94810

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">P51880</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Calculated MW</b>	14893
<b>Physical State</b>	Liquid
<b>Immunogen</b>	Recombinant Mouse BLBP protein
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Buffer</b>	PBS with 100 $\mu$ g/ml BSA, 0.15% ProClin300 and 50% glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm.
<b>SIMILARITY</b>	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
<b>SUBUNIT</b>	Monomer.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	The protein encoded by this gene is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs are thought to play roles in fatty acid uptake, transport, and metabolism. And is important in brain development.

## Additional Information

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<b>Gene ID</b>	12140
<b>Other Names</b>	Fatty acid-binding protein, brain, Brain lipid-binding protein, BLBP, Brain-type fatty acid-binding protein, B-FABP, Fatty acid-binding protein 7, Fabp7, Blbp
<b>Target/Specificity</b>	Expressed in brain and other neural tissues.
<b>Dilution</b>	WB=1: 500-1: 2000, IHC-P=1: 100-1: 500, IF=1: 100-1: 500, IHC-F=1: 100-1: 500
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	Fabp7
<b>Synonyms</b>	Blbp
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Expressed in brain and other neural tissues.

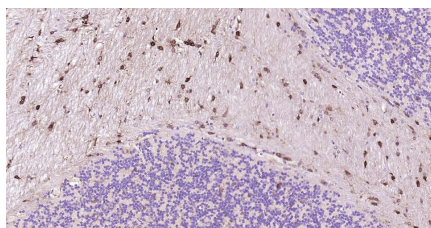
## Background

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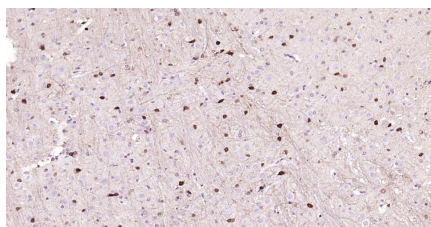
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## Images

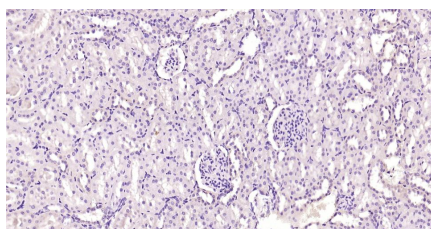
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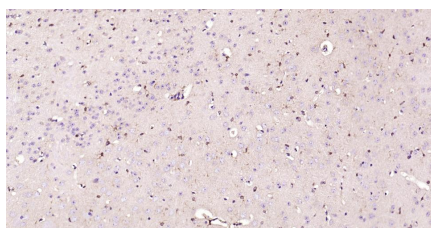
Paraformaldehyde-fixed, paraffin embedded Rat cerebellum;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat brain;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

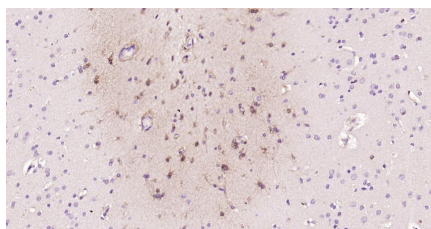


(Negative control)Paraformaldehyde-fixed, paraffin embedded Rat kidney;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

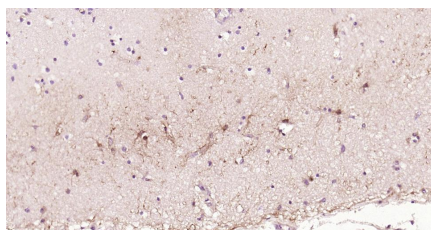


Paraformaldehyde-fixed, paraffin embedded Mouse brain;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

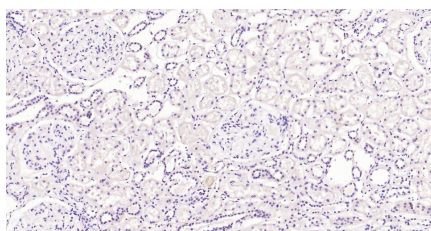
Paraformaldehyde-fixed, paraffin embedded Human glioma;Antigen retrieval by boiling in sodium citrate



buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Brain;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



(Negative control)Paraformaldehyde-fixed, paraffin embedded Human kidney;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with BLBP Monoclonal Antibody, Unconjugated (AP94810) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.