

BLBP Recombinant Mouse mAb

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Catalog # AP94810

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P51880
Reactivity	Rat, Human, Mouse
Host	Mouse
Clonality	Recombinant
Calculated MW	14893
Physical State	Liquid
Immunogen	Recombinant Mouse BLBP protein
Isotype	IgG1
Purity	Affinity Purification
Buffer	PBS with 100 μ g/ml BSA, 0.15% ProClin300 and 50% glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	12140
Other Names	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
Dilution	WB=1:500-2000, IHC-P=1:500-2000, IF=1:500-2000, IHC-F=1:500-2000
Storage	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

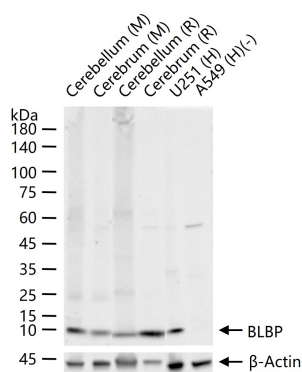
Name	Fabp7
Synonyms	Blbp

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.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in brain and other neural tissues.

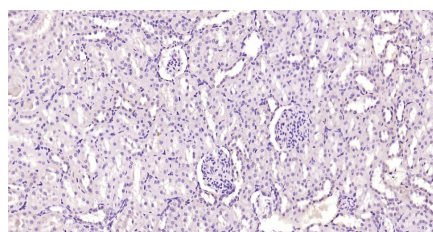
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Images



25 ug total protein per lane of various lysates (see on figure) probed with BLBP monoclonal antibody, unconjugated (AP94810) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



(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 AP94810-HRP and DAB (C-0010) staining.

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