

Mouse FABP7 Monoclonal Antibody | anti-FABP7 antibody

FABP7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76631	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

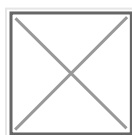
PRODUCT SYNONYMS

FABP7; Monoclonal Antibody; anti-FABP7 antibody

PRODUCT SPECIFICATIONS

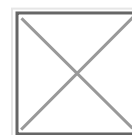
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG
Form/Format	Liquid Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Applicable Applications for anti-FABP7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Recombinant full length human FABP7 expressed in and purified from E Coli.
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of whole brain and neuron-glia cell culture lysates using mouse mAb to FABP7 dilution 1:1,000 in green, and chicken pAb to HSP60 dilution 1:10,000 in red: [1] protein standard, [2] adult rat brain, [3] embryonic (E18) rat brain, and [4] rat neuron-glia cells lysates.



IF (Immunofluorescence)

Immunofluorescent analysis rat embryonic brain section stained with mouse mAb to FABP7 dilution 1:500 in green, and costained with chicken pAb to vimentin, dilution 1:5,000 in red. The blue is Hoechst staining of nuclear DNA.

ADDITIONAL INFORMATION

Related Product Information for anti-FABP7 antibody	Fatty Acid-Binding Proteins (FABPs) are a family of low-molecular-weight (14-15kDa) intracellular polypeptides that bind and solubilize long-chain fatty acids, thus controlling intracellular lipid dynamics (1,2). Ten members of the FABP family are expressed in humans, each with a specific cell and tissue expression pattern. The seventh member of the family is generally called FABP7 but is also known as brain lipid binding protein or BLBP. FABP7 is abundantly expressed in neural stem cells, radial glia and astrocytes of the developing brain and the retina but is heavily down regulated in the adult.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3122076
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NCBI GeneID	2173
UniProt Accession #	O15540; O14951; Q6IAU7; Q9H047; B2R4L1
Molecular Weight	132
NCBI Official Full Name	Fatty acid-binding protein, brain
NCBI Official Synonym Full Names	fatty acid binding protein 7, brain
NCBI Official Symbol	FABP7
NCBI Official Synonym Symbols	MRG; BLBP; FABPB; B-FABP; LTR2-FABP7
NCBI Protein Information	fatty acid-binding protein, brain; brain lipid binding protein; brain lipid-binding protein; fatty acid-binding protein 7; Hypothetical protein DKFZp547J2313; brain-type fatty acid-binding protein; mammary-derived growth inhibitor related; mammary-derived
UniProt Protein Name	Fatty acid-binding protein, brain
UniProt Gene Name	FABP7
UniProt Synonym Gene Names	BLBP; FABPB; MRG; BLBP; B-FABP
UniProt Entry Name	FABP7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fabp7-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76631>