

Rabbit anti-Mouse, Rat FABP7 Polyclonal Antibody | anti-FABP7 antibody

FABP7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76691	Rabbit	Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

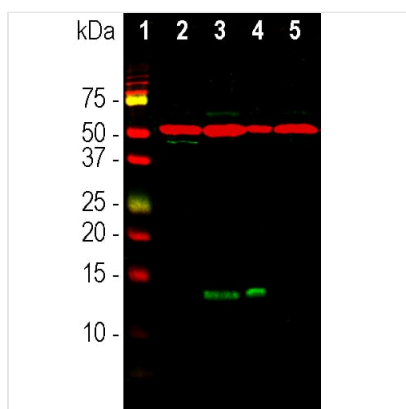
PRODUCT SYNONYMS

FABP7; Polyclonal Antibody; anti-FABP7 antibody

PRODUCT SPECIFICATIONS

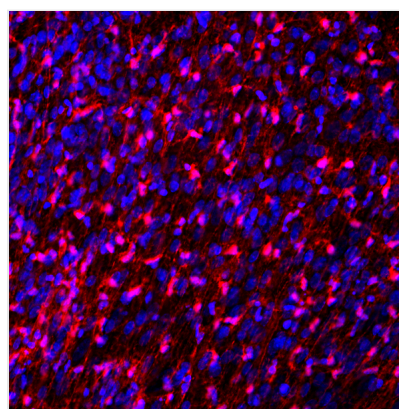
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Liquid. Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-FABP7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
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 rabbit pAb to FABP7, RA22137, dilution 1:2,000 in green, and mouse mAb to beta-tubulin, MCA-1B12, dilution 1:10,000 in red: [1] protein standard, [2] adult rat brain, [3] E18 embryonic rat brain, [4] rat neuron-glia cell culture and [5] adult mouse brain lysates.



IF (Immunofluorescence)

Immunofluorescent analysis rat embryonic brain section stained with rabbit pAb to FABP7, RA22137, dilution 1:1,000 in red. The blue is Hoechst staining of nuclear DNA. The FABP7 antibody stains developing astrocytes and radial glial cells.

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
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://www.aaabiotech.com/polyclonal/fabp7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/76691>