# 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

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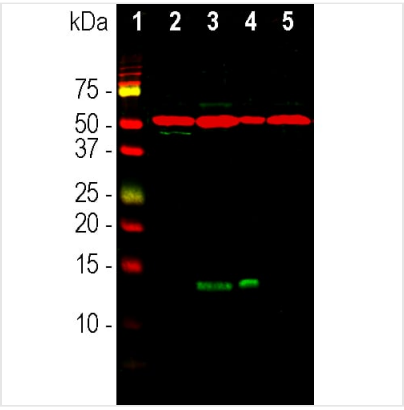
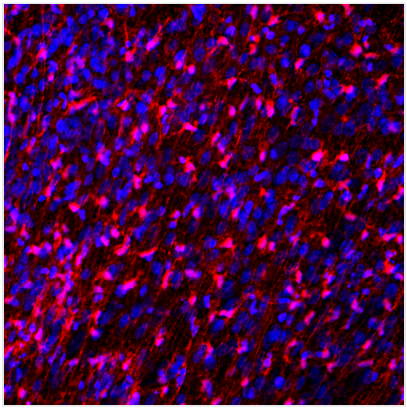
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Form/Format** | Liquid. Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3 |
| **Concentration** | 1mg/ml (varies by lot) |
| **Applicable Applications for anti-FABP7 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 ofactivity. Avoid repeated freeze-thaw cycles. |

## IMAGES




**WB (Western Blot)**
Western blot analysis of whole brain and neuron-glial 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-glial 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

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| **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. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **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://stage.aaabiotech.com/polyclonal/fabp7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/76691