

Mouse anti-Human, Mouse FABP7 Monoclonal Antibody | anti-FABP7 antibody

FABP7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11731	Mouse	Human, Mouse	ELISA, Western Blot, Immunocytochemistry, Immunofluorescence

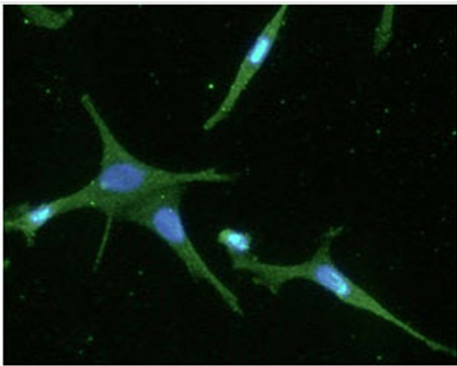
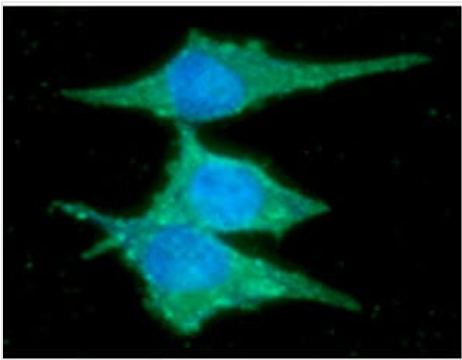
PRODUCT SYNONYMS

FABP7; Monoclonal Antibody; FABP7 antibody; Fatty acid binding protein 7; Fatty acid binding protein 7 B FABP; BFABP; BLBP; Brain lipid binding protein; DKFZp547J2313; FABP 7; FABPB; Fatty acid binding protein 7 brain; Fatty acid binding protein brain; OTTHuMP00000017119; Mammary derived growth inhibitor related; MRG.; anti-FABP7 antibody

PRODUCT SPECIFICATIONS

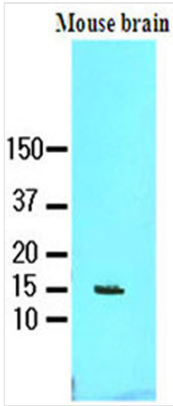
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1D1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	132
Applicable Applications for anti-FABP7 antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	Usage: The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Antigen Species	Human
Immunogen	Recombinant human FABP7 (1-132aa) purified from E. coli
Clone Note	Anti-human FABP7 mAb, clone AT1D1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FABP7 protein.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES

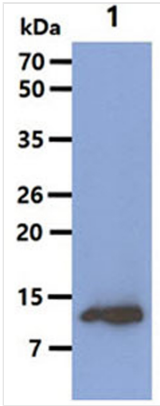


IF (Immunofluorescence)
ICC/IF analysis of FABP7 in PC3 cells. The cell was stained with AAA11731 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

IF (Immunofluorescence)
ICC/IF analysis of FABP7 in U87MG cells. The cell was stained with AAA11731 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)
The tissue lysate of mouse brain (60ug) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FABP7 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



WB (Western Blot)
The Mouse tissue lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FABP7 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Testis tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FABP7 antibody	FABP7 (Fatty acid binding protein 7) is also known as brain fatty acid-binding protein (B-FABP) and is a member of fatty acid-binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. FABP7 is expressed in radial glia by the activation of Notch receptors and binds DHA with the highest affinity among all of FABPs.
Product Categories/Family for anti-FABP7 antibody	Enzymes & Proteases
References	Borchers T, et al., (1997) Prostaglandins Leukot. Essent. Fatty Acids. 57 (1):77-84; Liu Rz, et al., (2003) Eur J Biochem. 270 (4):715-25

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557585
NCBI GeneID	2173
NCBI Accession #	NP_001437
NCBI GenBank Nucleotide #	NM_001446.4
UniProt Accession #	O15540; O14951; Q6IAU7; Q9H047; B2R4L1

Molecular Weight	18,829 Da
NCBI Official Full Name	fatty acid-binding protein, brain isoform 1
NCBI Official Synonym Full Names	fatty acid binding protein 7
NCBI Official Symbol	FABP7
NCBI Official Synonym Symbols	MRG; BLBP; FABPB; B-FABP
NCBI Protein Information	fatty acid-binding protein, brain
UniProt Protein Name	Fatty acid-binding protein, brain
UniProt Gene Name	FABP7
UniProt Synonym Gene Names	BLBP; FABPB; MRG; BLBP; B-FABP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/fabp7-antibody-clone-at1d1-western-blot-immunocytochemistry-immunofluorescence-elisa/11731>