

Human FABP7/B-FABP antibody

Catalog Number: ATGA0131

PRODUCT INFORMATION

Catalog number

ATGA0131

Clone No.

AT1D1

Product type

Monoclonal Antibody

UnitProt No.

O15540

NCBI Accession No.

NP_001437

Alternative Names

Fatty acid binding protein 7, Fatty acid binding protein 7, FABP7, 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

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human FABP7 (1-132aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF

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.

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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.

BACKGROUND

Description

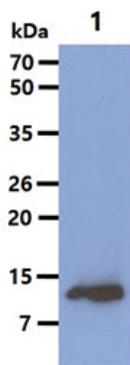
FABP7 (Fatty acid binding protein 7) is also known as brain fatty acid-binding protein (B-FABP) and is a member of fatty acid-binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. FABP7 is expressed in radial glia by the activation of Notch receptors and binds DHA with the highest affinity among all of FABPs.

General References

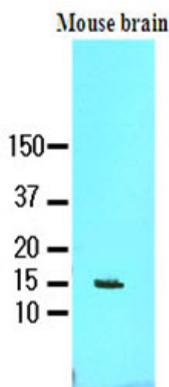
Borchers T, et al., (1997) Prostaglandins Leukot. Essent. Fatty Acids. 57(1):77-84.
Liu Rz, et al., (2003) Eur J Biochem. 270(4):715-25.

DATA

Western blot analysis (WB)



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

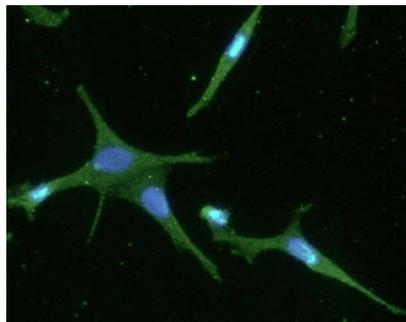


The tissue lysate of mouse brain (60ug) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FABP7 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

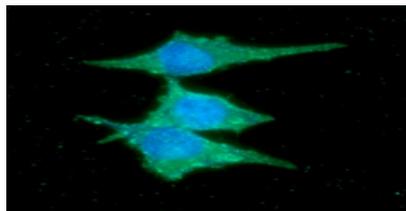
Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of FABP7 in U87MG cells. The cell was stained with ATGA0131 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



ICC/IF analysis of FABP7 in PC3 cells. The cell was stained with ATGA0131 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).