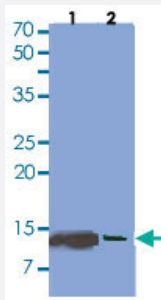


FABP7 monoclonal antibody, clone AT1D1

Catalog # MAB2068

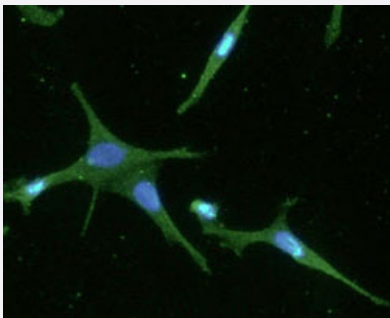
Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of Lane 1: mouse testis tissue lysate, Lane 2: mouse brain tissue lysate.



Immunofluorescence

Immunofluorescence analysis of U87MG cells. The cell was stained with FABP7 monoclonal antibody, clone AT1D1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant FABP7.
Immunogen	Recombinant protein corresponding to amino acids 1-132 of human FABP7.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b, kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of Lane 1: mouse testis tissue lysate, Lane 2: mouse brain tissue lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of U87MG cells. The cell was stained with FABP7 monoclonal antibody, clone AT1D1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FABP7

Entrez GeneID	2173
Protein Accession#	NP_001437
Gene Name	FABP7
Gene Alias	B-FABP, BLBP, DKFZp547J2313, FABPB, MRG
Gene Description	fatty acid binding protein 7, brain
Omim ID	602965
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs are thought to play roles in fatty acid uptake, transport, and metabolism. [provided by RefSeq]

Other Designations

OTTHUMP00000017118|brain lipid binding protein|mammary-derived growth inhibitor-related

Publication Reference

- [Structure, mRNA expression and linkage mapping of the brain-type fatty acid-binding protein gene \(FABP7\) from zebrafish \(*Danio rerio*\).](#)

Liu RZ, Denovan-Wright EM, Wright JM.

European Journal of Biochemistry 2003 Feb; 270(4):715.

- [Heart-type fatty acid binding protein - involvement in growth inhibition and differentiation.](#)

Borchers T, Hohoff C, Buhlmann C, Spener F.

Prostaglandins, Leukotrienes, and Essential Fatty Acids 1997 Jul; 57(1):77.

Pathway

- [PPAR signaling pathway](#)

Disease

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)