

Anti-FABP7 Antibody

Catalog Number: A02646

About FABP7

FABP7 was initially isolated from a human fetal brain cDNA library and whose mRNA was expressed in adult brain and muscle tissues at low levels. The protein encoded by this gene is a member of the fatty acid binding protein (FABPs) family, a group 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. FABP7 is a downstream gene of the Pax6 transcription factor and has been suggested to be essential for the maintenance of neuroepithelial cells during early cortical development. More recently, FABP7 was found to be frequently expressed in melanomas. Down-regulation of FABP7 through RNAi expression could reduce in vitro cell proliferation and Matrigel invasion, suggesting that FABP7 may be a potential target for the development of diagnostic and therapeutic tools.

Overview

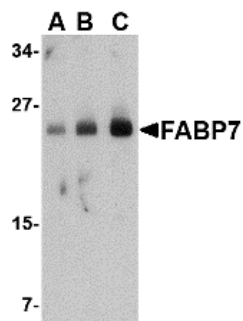
Product Name	Anti-FABP7 Antibody
Reactive Species	Human
Description	Boster Bio Anti-FABP7 Antibody (Catalog # A02646). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	FABP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	FABP7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O15540

Technical Details

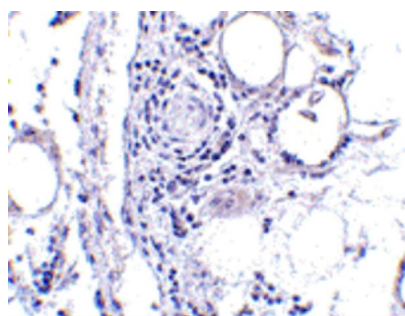
Immunogen	FABP7 antibody was raised against a 17 amino acid synthetic peptide from near the center of human FABP7. The immunogen is located within the last 50 amino acids of FABP7.
Predicted Reactive Species	Bovine, Chicken, Mouse, Rat
Cross Reactivity	Depending on cell lines or tissues used, either full-length or other cleavage products may be observed.
Isotype	IgG
Form	Liquid

Concentration	1 mg/mL
Purification	FABP7 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: FABP7 antibody can be used for detection of FABP7 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-FABP7 Antibody (A02646) Images



Western blot analysis of FABP7 in human breast tissue lysate with FABP7 antibody at (A) 0.5



Immunohistochemistry of FABP7 in human breast tissue with FABP7 antibody at 5 ug/mL.

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