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FABP7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5028b

Product Information

Application	WB, IHC-P, E
Primary Accession	O15540
Other Accession	Q05423, Q09139
Reactivity	Human, Mouse
Predicted	Bovine, Chicken, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22973
Calculated MW	14889
Antigen Region	104-132

Additional Information

Gene ID	2173
Other Names	Fatty acid-binding protein, brain, Brain lipid-binding protein, BLBP, Brain-type fatty acid-binding protein, B-FABP, Fatty acid-binding protein 7, Mammary-derived growth inhibitor related, FABP7, BLBP, FABPB, MRG
Target/Specificity	This FABP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-132 amino acids from the C-terminal region of human FABP7.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FABP7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FABP7
Synonyms	BLBP, FABPB, MRG

Function	B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Expressed in brain and other neural tissues.

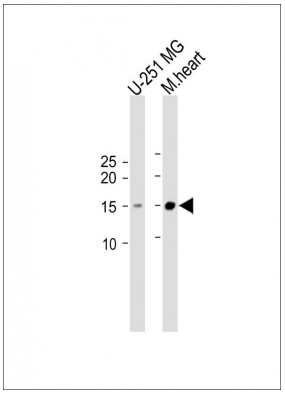
Background

FABP7 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.

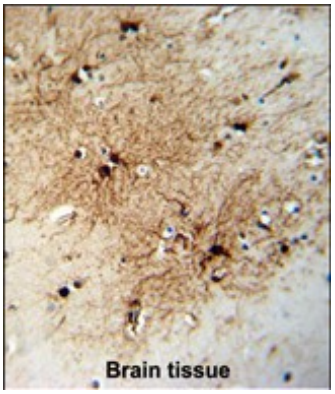
References

Iwayama, Y., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (2), 484-493 (2010)
Maekawa, M., et al. J. Hum. Genet. 55(2):127-130(2010)
Goto, Y., et al. J. Invest. Dermatol. 130(1):221-229(2010)

Images



All lanes: Anti-FABP7 Antibody (C-term) at 1:1000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 15 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



FABP7 Antibody (C-term) (Cat. #AP5028b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FABP7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.