

# FABP7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5028b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q15540</a>
<b>Other Accession</b>	<a href="#">Q05423</a> , <a href="#">Q09139</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Bovine, Chicken
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB22973
<b>Calculated MW</b>	14889
<b>Antigen Region</b>	104-132

## Additional Information

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<b>Gene ID</b>	2173
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	FABP7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FABP7
<b>Synonyms</b>	BLBP, FABPB, MRG

<b>Function</b>	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).
<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Expressed in brain and other neural tissues.

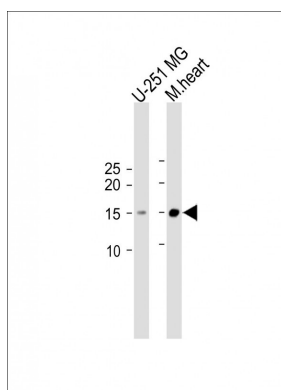
## Background

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.

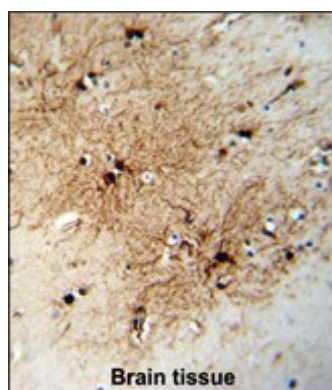
## References

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'.