

## Product datasheet for **TA306442**

### BLBP (FABP7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 5 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FABP7 antibody was raised against a 17 amino acid peptide from near the center of human FABP7.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	fatty acid binding protein 7
Database Link:	<a href="#">NP_001437</a> <a href="#">Entrez Gene 2173 Human</a> <a href="#">O15540</a>



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**Background:**

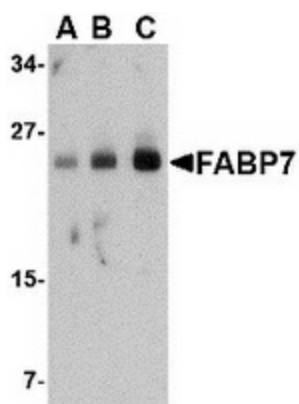
FABP7 was initially isolated from a human fetal brain cDNA library and whose mRNA was expressed in adult brain and muscle tissues at low levels. The protein encoded by this gene is a member of the fatty acid binding protein (FABPs) family, a group of small, highly conserved, cytoplasmic proteins that 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.

**Synonyms:**

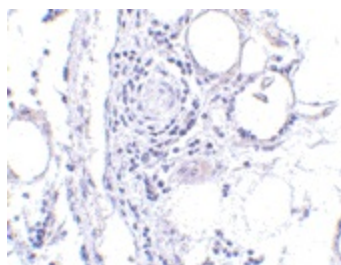
B-FABP; BLBP; FABPB; LTR2-FABP7; MRG

**Protein Pathways:**

PPAR signaling pathway

**Product images:**

Western blot analysis of FABP7 in human breast tissue lysate with FABP7 antibody at (A) 0.5, (B) 1 and (C) 2 ug/ml.



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