

## Product datasheet for **TA323168**

### BLBP (FABP7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal brain tissue IHC: 50-150 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15 kDa
Gene Name:	fatty acid binding protein 7
Database Link:	<a href="#">NP_001437</a> <a href="#">Entrez Gene 12140 Mouse</a> <a href="#">Entrez Gene 80841 Rat</a> <a href="#">Entrez Gene 2173 Human</a> <a href="#">O15540</a>



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**Background:**

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. 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.

**Synonyms:**

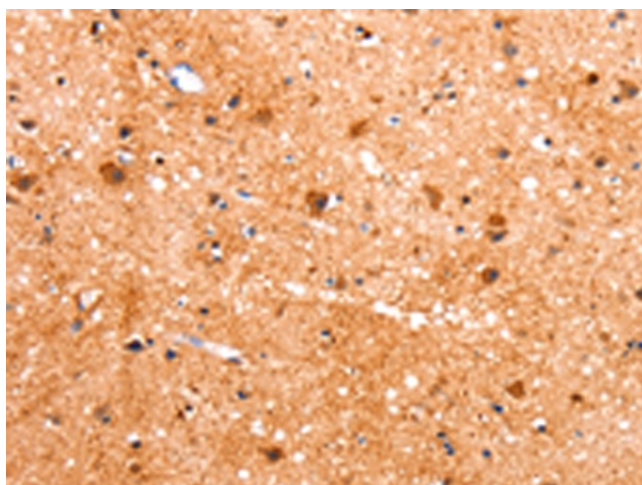
B-FABP; BLBP; FABPB; LTR2-FABP7; MRG

**Protein Pathways:**

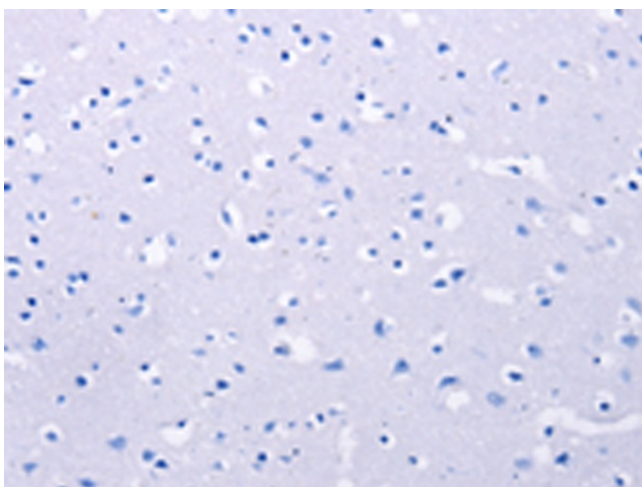
PPAR signaling pathway

**Product images:**

Gel: 8+12%SDS-PAGE  
Lysate: 30 µg  
Lane: Human fetal brain tissue  
Primary antibody: TA323168 (FABP7 Antibody) at dilution 1/450  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded Human brain tissue using TA323168 (FABP7 Antibody) at dilution 1/22 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA323168 (FABP7 Antibody) at dilution 1/22, treated with fusion protein. (Original magnification:  $\times 200$ )