

For Research Use Only

# FABP7 Polyclonal antibody

Catalog Number: 51010-1-AP

13 Publications



## Basic Information

<b>Catalog Number:</b> 51010-1-AP	<b>GenBank Accession Number:</b> BC012299	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2173	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> fatty acid binding protein 7, brain	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 132aa, 15 kDa; 166aa, 19 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** fetal human brain tissue, human brain tissue, mouse adipose tissue

**IHC:** human malignant melanoma tissue, human breast cancer tissue, human gliomas tissue, human brain tissue

**IF:** rat brain tissue,

## Background Information

FABP7 (brain fatty acid-binding protein; BLBP) is a member of the FABP family of lipid chaperones involved in the uptake and intracellular trafficking of fatty acids. FABP7 is expressed in radial glial cells during brain development. FABP7 is up-regulated in brain tumor tissue; its expression has been associated with decreased survival times and tumor progression in patients with astrocytoma, melanoma, basal-type breast cancer, and renal cell carcinoma. This antibody is useful to label radial glial cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Haiyan He	36125039	Food Funct	WB
Haiyan He	36252627	Int J Biol Macromol	WB
Mingming Song	34653936	Biomaterials	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

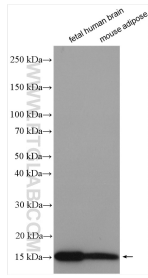
For technical support and original validation data for this product please contact:

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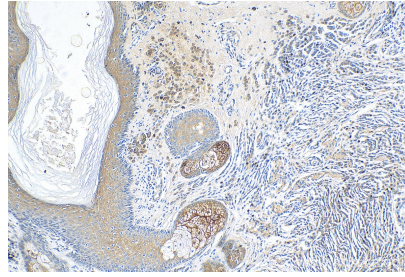
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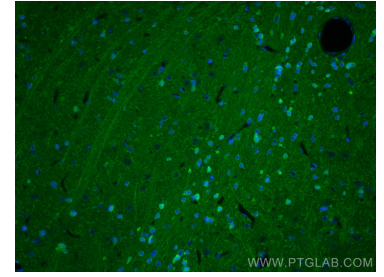
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 51010-1-AP (FABP7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 51010-1-AP (FABP7 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (-20°C Acetone) fixed rat brain tissue using FABP7 antibody (51010-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).