

For Research Use Only

FABP7-Specific Polyclonal antibody

Catalog Number: 14836-1-AP

2 Publications



Basic Information

Catalog Number: 14836-1-AP	GenBank Accession Number: NM_001446	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2173	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: O15540	IHC: 1:50-1:500
Isotype: IgG	Full Name: fatty acid binding protein 7, brain	IF-P: 1:50-1:500
	Calculated MW: 15 kDa	
	Observed MW: 14-15 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls: WB: human brain tissue, U-251 cells
Cited Applications: IHC, IF	IHC: human breast cancer tissue,
Species Specificity: human, rat	IF-P: rat brain tissue,
Cited Species: human	

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

Background Information

FABP7 (Fatty Acid Binding Protein-7), also known as B-FABP (Brain Fatty Acid-Binding Protein), is a member of FABP family which are intracellular proteins involved in lipid metabolism. Normally FABP7 is mainly expressed in brain and other neural tissues and is important in early nervous system development. In addition, FABP7 is considered a marker for some brain tumors and may have a role in tumorigenesis in the peripheral nervous system and in several extra nervous system neoplasms such as breast cancer, renal cancer, and melanoma. This antibody specially recognizes FABP7 and not cross-react with other FABPs.

Notable Publications

Author	Pubmed ID	Journal	Application
Libo Su	29982651	Nucleic Acids Res	IF
Chengming Liu	33889215	Ther Adv Med Oncol	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

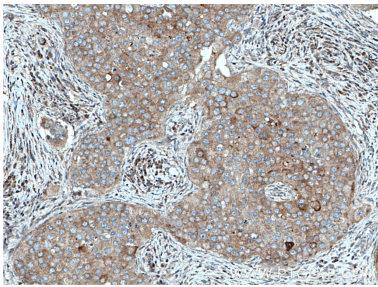
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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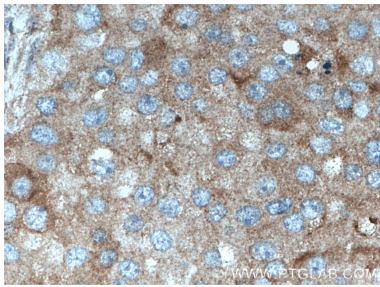
Selected Validation Data



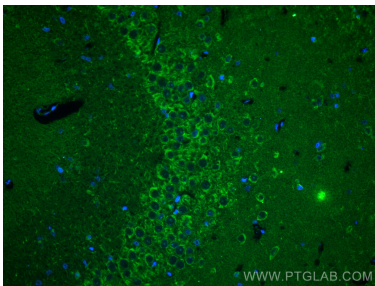
human brain tissue were subjected to SDS PAGE followed by western blot with 14836-1-AP (FABP7-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



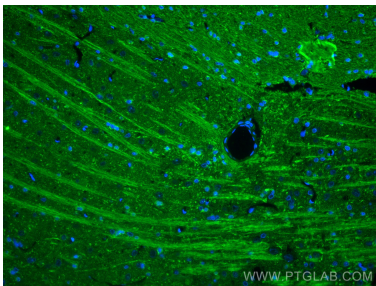
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14836-1-AP (FABP7-Specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14836-1-AP (FABP7-Specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Acetone) fixed rat brain tissue using FABP7-Specific antibody (14836-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Acetone) fixed rat brain tissue using FABP7-Specific antibody (14836-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).