

FABP7-Specific Polyclonal antibody

Catalog Number: 14836-1-AP

2 Publications

Basic Information

Catalog Number:

14836-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001446

GeneID (NCBI):

2173

UNIPROT ID:

O15540

Full Name:

fatty acid binding protein 7, brain

Calculated MW:

15 kDa

Observed MW:

14-15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, rat

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

Positive Controls:

WB : human brain tissue, U-251 cells

IHC : human breast cancer tissue,

IF-P : rat brain tissue,

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

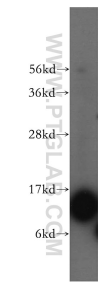
For technical support and original validation data for this product please contact:

T: 4006900926

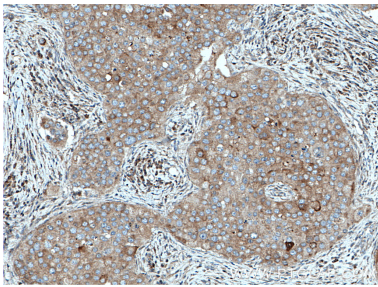
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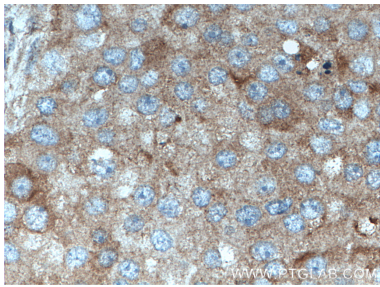
Selected Validation Data



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.



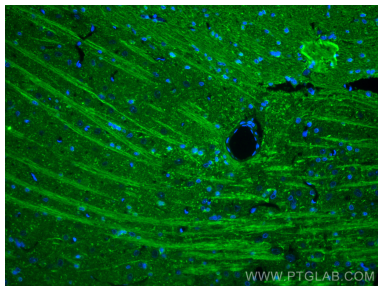
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14836-1-AP (FABP7-Specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).