

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: 450 µg/ml | 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 1:50-1:500 |
| | Calculated MW: 15 kDa | |
| | Observed MW: 14-15 kDa | |

Applications

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

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

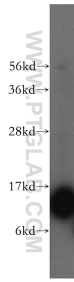
T: 4006900926

E: Proteintech-CN@ptglab.com

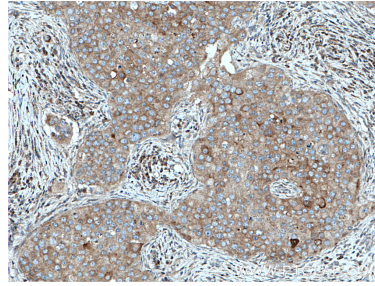
W: ptgcn.com

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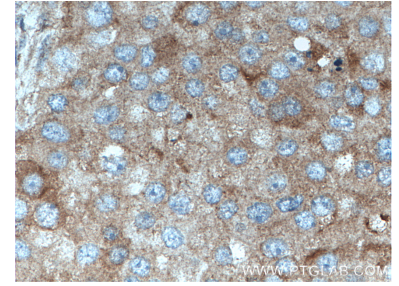
Selected Validation Data



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.



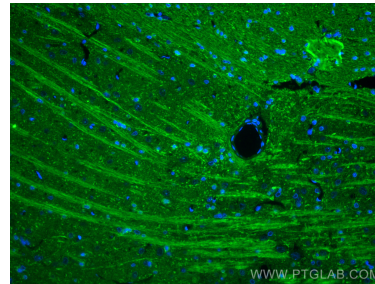
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14836-1-AP (FABP7-Specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).