

Nur für Forschungszwecke

# FABP5 Monoklonaler Antikörper

Katalog-Nr.:66299-1-Ig

Vorgestelltes Produkt

3 Publikationen



## Allgemeine Informationen

|  |   |   |
|--|---|---|
| <b>Katalog-Nr.:</b><br>66299-1-Ig  | <b>GenBank-Zugangsnummer:</b><br>BC019385   | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung                      |
| <b>Größe:</b><br>150ul , Konzentration: 1400 µg/ml von2171<br>Nanodrop und 1000 µg/ml durch die<br>Bradford-Methode mit BSA als<br>Standard; | <b>GeneID (NCBI):</b><br>von2171  | <b>CloneNo.:</b><br>1C6E12  |
| <b>Wirt:</b><br>Maus   | <b>Vollständiger Name:</b><br>fatty acid binding protein 5 (psoriasis-<br>associated) | <b>Empfohlene Verdünnungen:</b><br>IHC 1:200-1:4000<br>IF 1:200-1:800 |
| <b>Isotyp:</b><br>IgG1   | <b>Berechnete Masse:</b><br>135 aa, 15 kDa  |   |
| <b>Immunogen Katalognummer:</b><br>AG3005  | <b>Beobachtete Masse:</b><br>15 kDa   |   |

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB** : A375-Zellen, A549-Zellen, fetales humanes Hirngewebe, HEK-293-Zellen, HeLa-Zellen, Maushirngewebe, Rattenhirngewebe, U2OS-Zellen

**IHC** : humanes Mammakarzinomgewebe, braunes Mausfettgewebe, humanes Prostatakarzinomgewebe

**IF** : HepG2-Zellen,

## Hintergrundinformationen

FABP5, also named as PA-FABP and E-FABP, belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. It is high specificity for fatty acids. FABP5 is highest affinity for C18 chain length. It may be involved in keratinocyte differentiation. FABP5 is a fatty acid-binding protein and is expressed in epidermis and endothelial cells of the microvasculature of different organs. FABP5 has also been identified as a tumor-associated antigen, which is highly expressed in various cancers. FABP5 was detected in the sera of HNSCC patients with early stage cancer. Antibodies specific for FABP5 were significantly increased in a substantial amount in patients, suggesting that FABP5 may be a potential diagnostic biomarker for HNSCC. FABP5 may serve as a biomarker for HNSCC. (PMID:19602232)

## Bemerkenswerte Veröffentlichungen

| Verfasser      | Pubmed ID | Journal         | Anwendung |
|----------------|-----------|-----------------|-----------|
| Masafumi Ohira | 33754641  | Carcinogenesis  | WB,IHC    |
| Jinghui Lu     | 34976793  | Front Oncol     | WB        |
| Risa Nakagawa  | 31432248  | Med Mol Morphol | IHC       |

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

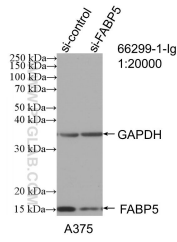
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

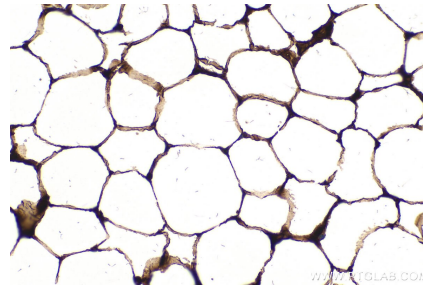
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

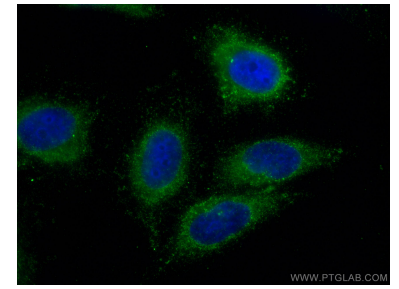
## Ausgewählte Validierungsdaten



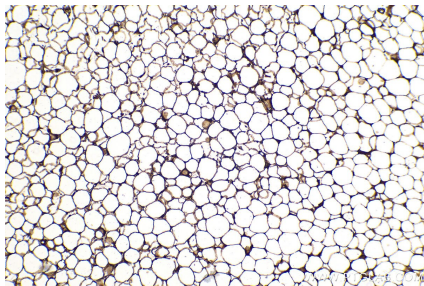
WB result of FABP5 antibody (66299-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP5 transfected A375 cells.



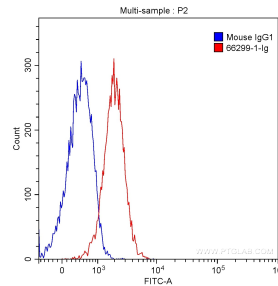
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



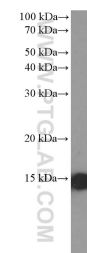
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using FABP5 antibody (66299-1-Ig, Clone: 1C6E12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



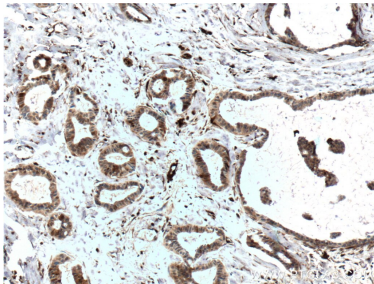
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



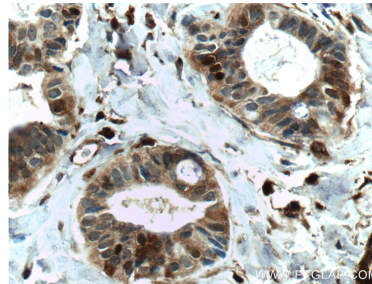
1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.20 ug/test Anti-Human FABP5 (66299-1-Ig, Clone:1C6E12) (red) or 0.20 ug control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.



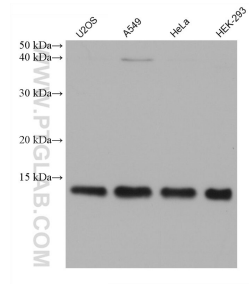
A375 cells were subjected to SDS PAGE followed by western blot with 66299-1-Ig (FABP5 Antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



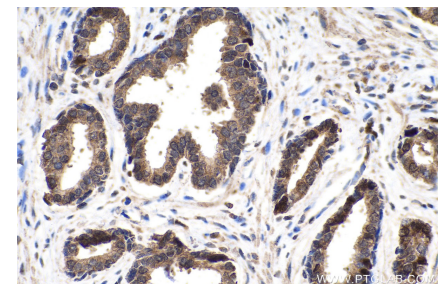
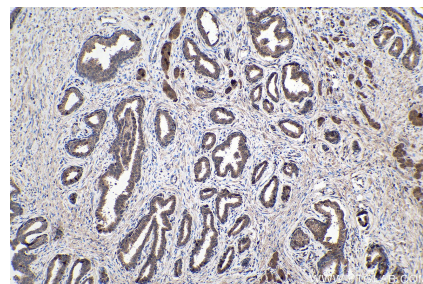
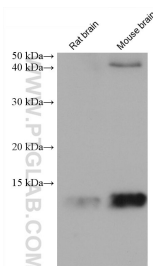
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66299-1-Ig (FABP5 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66299-1-Ig (FABP5 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66299-1-Ig (FABP5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66299-1-Ig (FABP5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).