For Research Use Only

FABP5 Monoclonal antibody, PBS Only

Catalog Number:66299-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66299-1-PBS

Size:
5269 ug/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG3005

GenBank Accession Number:
BC019385

GeneID (NCBI):
2171

UNIPROT ID:
Q01469

Full Name:
fatty acid binding protein 5 (psoriasis-associated)

Calculated MW:
135 aa, 15 kDa

Observed MW:
15 kDa

Purification Method:
Protein A purification

CloneNo.:
1C6E12

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Background Information

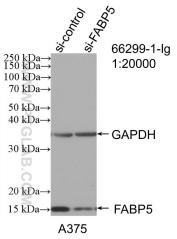
FABP5, also named as PA-FABP and E-FABP, belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. It is high specificity for fatty acids. FABP5 is highest affinity for C18 chain length. It may be involved in keratinocyte differentiation. FABP5 is a fatty acid-binding protein and 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)

Storage

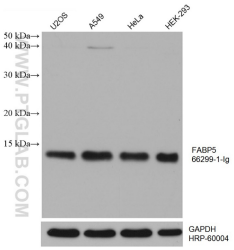
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

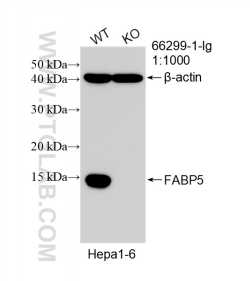
Selected Validation Data



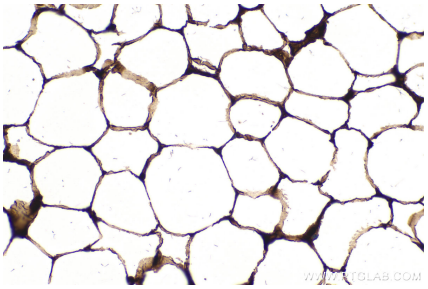
WB result of FABP5 antibody (66299-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP5 transfected A375 cells. This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



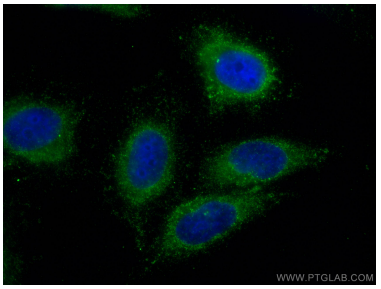
Various lysates were subjected to SDS PAGE followed by western blot with 66299-1-Ig (FABP5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



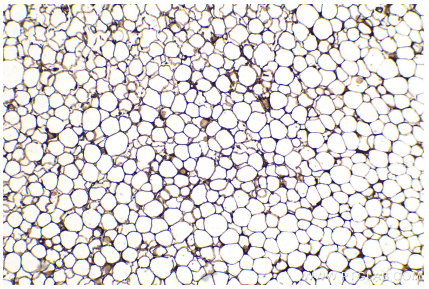
WB result of FABP5 antibody (66299-1-Ig; 1:1000; room temperature for 1.5 hours) with wild-type and FABP5 knockout Hepa1-6 cells. This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



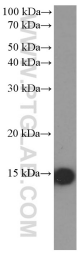
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



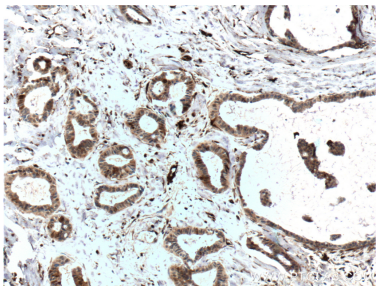
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using FABP5 antibody (66299-1-Ig, Clone: 1C6E12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



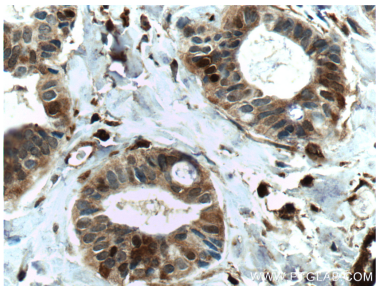
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 66299-1-Ig (FABP5 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



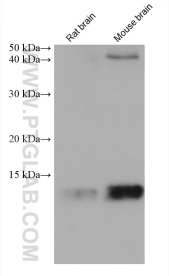
A375 cells were subjected to SDS PAGE followed by western blot with 66299-1-Ig (FABP5 Antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.

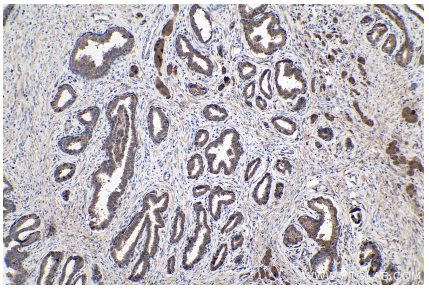


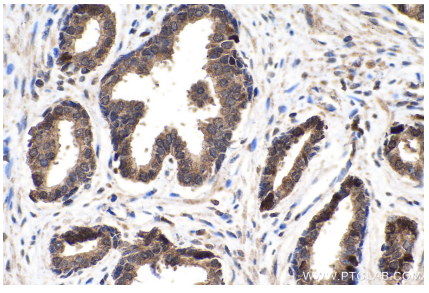
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66299-1-Ig (FABP5 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.







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. This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 66299-1-PBS in a different storage buffer formulation.