For Research Use Only

FABP5 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:82551-2-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
82551-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

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.:
243154G10

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

82551-2-PBS targets FABP5 as part of a matched antibody pair:

MP02674-1: 82551-3-PBS capture and 82551-2-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

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.
Storage Buffer:
PBS only, pH7.3

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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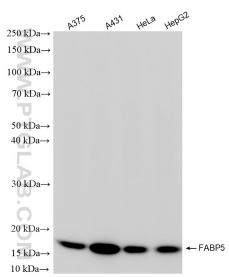
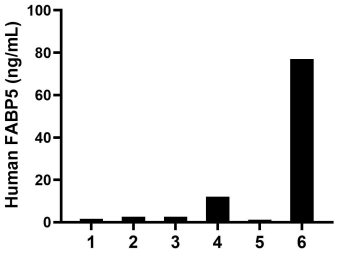
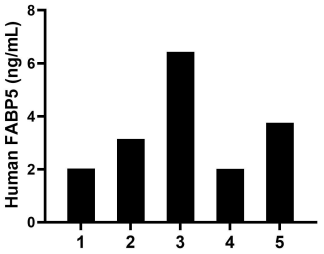
Selected Validation Data



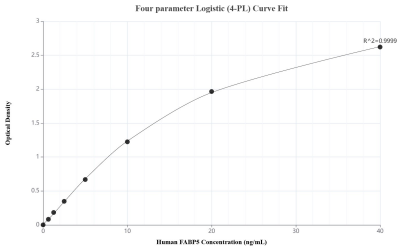
Various lysates were subjected to SDS PAGE followed by western blot with 82551-2-RR (FABP5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82551-2-PBS in a different storage buffer formulation.



Urine of six individual healthy human donors was measured. The FABP5 concentration of detected samples was determined to be 16.17 ng/mL with a range of 1.14-77.03 ng/mL.



Plasma of five individual healthy human donors was measured. The FABP5 concentration of detected samples was determined to be 3.48 ng/mL with a range of 2.03-6.43 ng/mL.



Sandwich ELISA standard curve of MP02674-1, Human FABP5 Recombinant Matched Antibody Pair - PBS only. 82551-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3005. 82551-2-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL.