

For Research Use Only

FABP5 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 82551-2-PBS



Basic Information

Catalog Number: 82551-2-PBS	GenBank Accession Number: BC019385	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2171	CloneNo.: 243154G10
Isotype: IgG	UNIPROT ID: Q01469	
Immunogen Catalog Number: AG3005	Full Name: fatty acid binding protein 5 (psoriasis-associated)	
	Calculated MW: 135 aa, 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

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, pH7.3

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

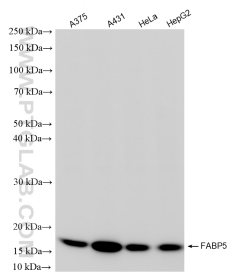
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E: Proteintech-CN@ptglab.com

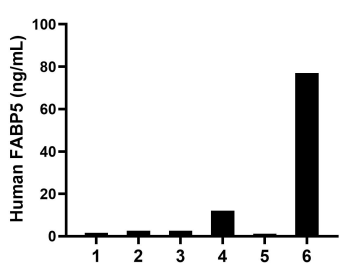
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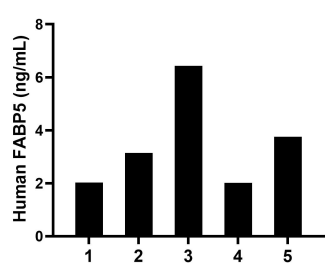
Selected Validation Data



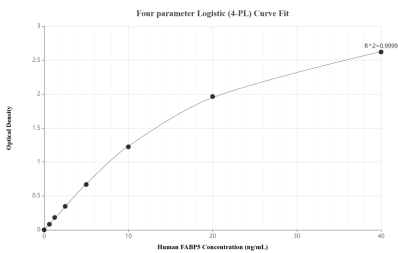
Various lysates were subjected to SDS PAGE followed by western blot with 82551-2-RR (FABP5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82551-2-PBS in a different storage buffer formulation.



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.