

For Research Use Only

FUK Polyclonal antibody

Catalog Number: 13541-1-AP



Basic Information

Catalog Number: 13541-1-AP	GenBank Accession Number: BC032542	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 197258	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: fucokinase	
Isotype: IgG	Calculated MW: 1084 aa, 118 kDa	
Immunogen Catalog Number: AG4481	Observed MW: 107 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, BxPC-3 cells, mouse thymus tissue, mouse kidney tissue

IHC : mouse kidney tissue,

Background Information

FUK, also named FCSK, belongs to the GHMP kinase family. FUK encodes fucokinase, the only enzyme capable of converting L-fucose to fucose-1-phosphate, which will ultimately be used for synthesizing GDP-fucose, the donor substrate for all fucosyltransferases (PMID: 30503518).

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

*** 20ul sizes contain 0.1% BSA

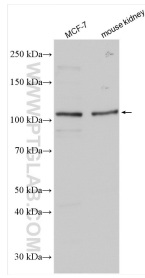
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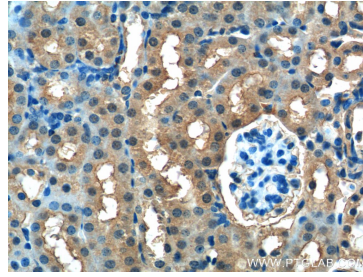
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13541-1-AP (FUK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13541-1-AP (FUK Antibody) at dilution of 1:50 (under 40x lens).