

For Research Use Only

FTCD Monoclonal antibody

Catalog Number: 66979-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66979-1-Ig	GenBank Accession Number: BC136395	Purification Method: Protein A purification
Size: 150ul, Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10841	CloneNo.: 1H8A1
Source: Mouse	UNIPROT ID: O95954	Recommended Dilutions: WB 1:3000-1:10000 IHC 1:150-1:600 IF-P 1:200-1:800
Isotype: IgG2b	Full Name: formiminotransferase cyclodeaminase	
Immunogen Catalog Number: AG17429	Calculated MW: 541 aa, 59 kDa	
	Observed MW: 53-62 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat, pig

Cited Species:

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: mouse liver tissue, pig kidney tissue, pig liver tissue, rat liver tissue

IHC: human kidney tissue, human liver cancer tissue

IF-P: human liver cancer tissue,

Background Information

FTCD (formimidoyltransferase cyclodeaminase) is critical for the catabolism of histidine, a . This process is one-carbon units that can enter the one-carbon/folate cycle, which provides methyl groups for arsenic metabolism (PMID: 30893314). In addition, FTCD could serve as a predictive and prognostic marker for patients with HCC (PMID: 37675273).

Notable Publications

Author	Pubmed ID	Journal	Application
Youyi Liu	38254641	Biomolecules	WB

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

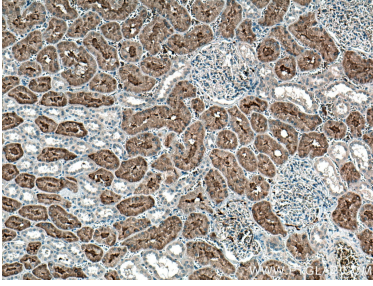
For technical support and original validation data for this product please contact:

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

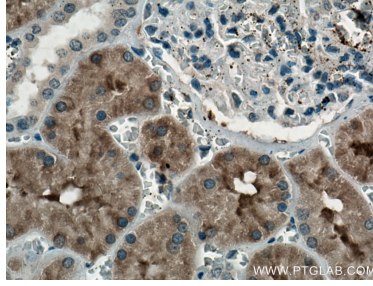
E: proteintech@ptglab.com
W: ptglab.com

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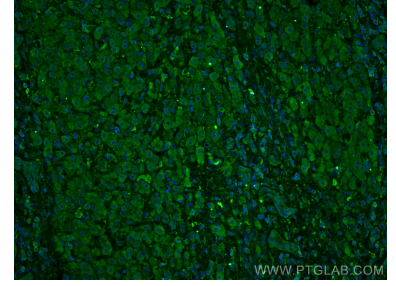
Selected Validation Data



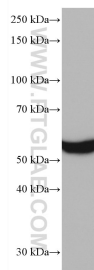
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66979-1-Ig (FTCD antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



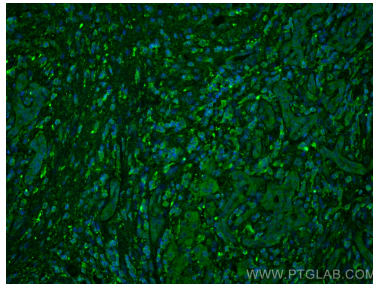
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66979-1-Ig (FTCD antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using FTCD antibody (66979-1-Ig, Clone: 1H8A1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



mouse liver tissue were subjected to SDS PAGE followed by western blot with 66979-1-Ig (FTCD antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using FTCD antibody (66979-1-Ig, Clone: 1H8A1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).