

For Research Use Only

FTCD Recombinant antibody

Catalog Number:83664-2-RR



Basic Information

Catalog Number: 83664-2-RR	GenBank Accession Number: BC136395	Purification Method: Protein A purification
Size: 100ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 10841	CloneNo.: 240654G9
Source: Rabbit	UNIPROT ID: O95954	Recommended Dilutions: WB 1:2000-1:12000
Isotype: IgG	Full Name: formiminotransferase cyclodeaminase	
Immunogen Catalog Number: AG16646	Calculated MW: 541 aa, 59 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue, rat liver tissue, human kidney tissue
Species Specificity: human, mouse, rat	

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).

Storage

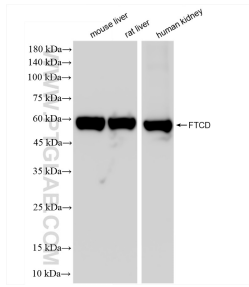
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

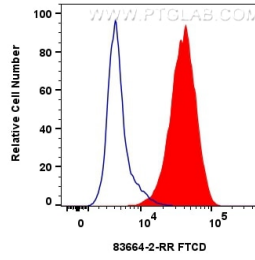
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

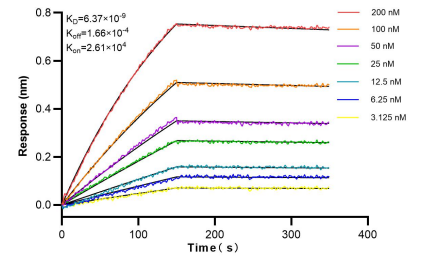
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83664-2-RR (FTCD antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g FTCD Recombinant antibody (83664-2-RR, Clone:240654G9) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83664-2-RR against Human FTCD were performed. The affinity constant is 6.37 nM.