

For Research Use Only

FTCD Recombinant antibody

Catalog Number: 83664-2-RR



Basic Information

Catalog Number:

83664-2-RR

Size:

100ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16646

GenBank Accession Number:

BC136395

GeneID (NCBI):

10841

UNIPROT ID:

O95954

Full Name:

formiminotransferase cyclodeaminase

Calculated MW:

541 aa, 59 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

240654G9

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse liver tissue, rat liver tissue, human kidney 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).

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

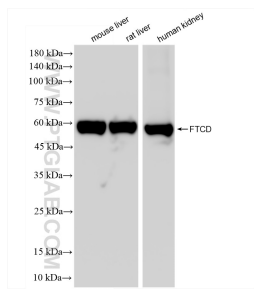
For technical support and original validation data for this product please contact:

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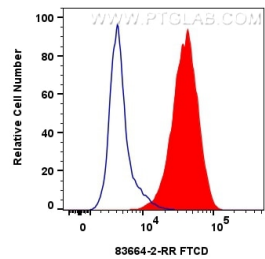
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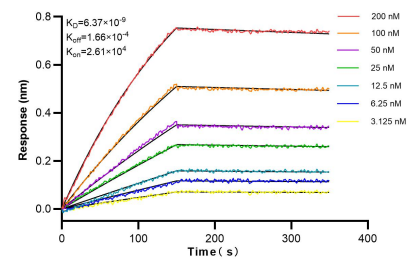
Selected Validation Data



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.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug FTCD Recombinant antibody (83664-2-RR, Clone:240654G9) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug 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.