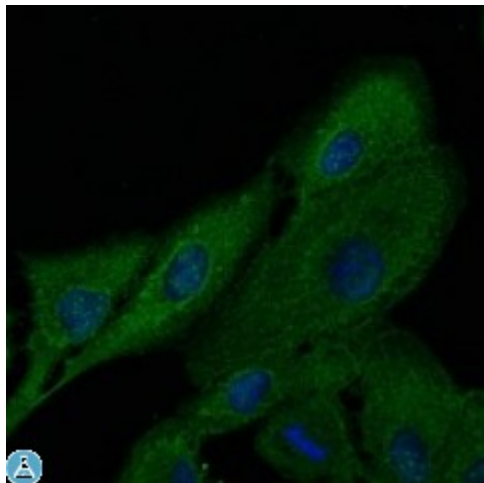


Anti-FTCD antibody



Description

Goat polyclonal to formimidoyltransferase cyclodeaminase (FTCD) - Golgi complex marker. This protein is a bifunctional enzyme that plays important roles in coupling histidine catabolism with folate metabolism. It binds and promotes bundling of vimentin filaments originating from the Golgi. Diseases such as glutamate formiminotransferase deficiency and autoimmune hepatitis have been associated to this enzyme.

Model

STJ140093

Host

Goat

Reactivity

Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian

Applications

IF, WB

Immunogen

Recombinant peptide derived from within residues 50 aa to the N-terminus of human FTCD produced in E. coli.

Immunogen Region

N-Term

Gene ID

[10841](#)

Gene Symbol

[FTCD](#)

Dilution range

Western blot 1:500-1:2,000 Immunofluorescence 1:25-1:250
Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND

Specificity

Detects a band of 55-60 kDa by Western blot in the following canine, human, monkey, mouse, rat whole cell lysates.

Purification

This antibody is epitope-affinity purified from goat antiserum.

Note

For research use only (RUO).

Protein Name	Formimidoyltransferase-cyclodeaminase (Formiminotransferase-cyclodeaminase) (FTCD) (LCHC1) [Includes: Glutamate formimidoyltransferase (EC 2.1.2.5) (Glutamate formiminotransferase) (Glutamate formyltransferase); Formimidoyltetrahydrofolate cyclodeaminase
Molecular Weight	59 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:3974OMIM:229100
Alternative Names	Formimidoyltransferase-cyclodeaminase (Formiminotransferase-cyclodeaminase) (FTCD) (LCHC1) [Includes: Glutamate formimidoyltransferase (EC 2.1.2.5) (Glutamate formiminotransferase) (Glutamate formyltransferase); Formimidoyltetrahydrofolate cyclodeaminase
Function	Folate-dependent enzyme, that displays both transferase and deaminase activity. Serves to channel one-carbon units from formiminoglutamate to the folate pool.; Binds and promotes bundling of vimentin filaments originating from the Golgi.
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Golgi apparatus. More abundantly located around the mother centriole.