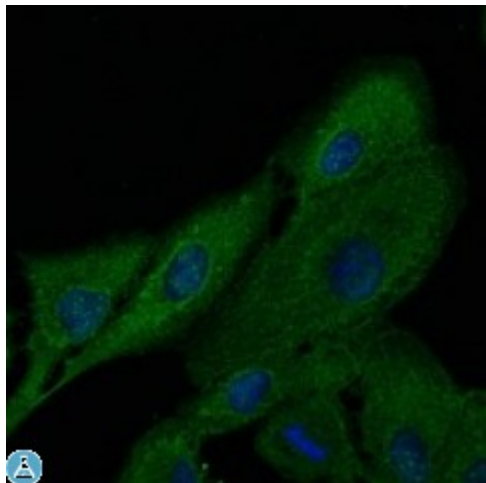


Anti-FTCD antibody



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.