



Enterokinase HC Polyclonal Antibody

Catalog No	YP-Ab-02634
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	TMPRSS15
Protein Name	Enteropeptidase
Immunogen	The antiserum was produced against synthesized peptide derived from human ENTK. AA range:81-130
Specificity	Enterokinase HC Polyclonal Antibody detects endogenous levels of Enterokinase HC protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TMPRSS15; ENTK; PRSS7; Enteropeptidase; Enterokinase; Serine protease 7; Transmembrane protease serine 15
Observed Band	
Cell Pathway	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Intestinal brush border.
Function	catalytic activity:Activation of trypsinogen by selective cleavage of 6-Lys- -Ile-7 bond.,disease:Defects in PRSS7 are a cause of enterokinase deficiency [MIM:226200]; a life-threatening intestinal malabsorption disorder characterized by diarrhea and failure to thrive.,function:Responsible for initiating activation of pancreatic proteolytic proenzymes (trypsin, chymotrypsin and carboxypeptidase A). It catalyzes the conversion of trypsinogen to trypsin which in turn activates other proenzymes including chymotrypsinogen, procarboxypeptidases, and proelastases.,PTM:The chains are derived from a single precursor that is cleaved by a trypsin-like protease.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 MAM domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 1 SEA domain.,similarity:Contains 1 SRCR domain.,similarity:Contains 2 CUB domains.,similarity:C



Background

This gene encodes an enzyme that converts the pancreatic proenzyme trypsinogen to trypsin, which activates other proenzymes including chymotrypsinogen and procarboxypeptidases. The precursor protein is cleaved into two chains that form a heterodimer linked by a disulfide bond. This protein is a member of the trypsin family of peptidases. Mutations in this gene cause enterokinase deficiency, a malabsorption disorder characterized by diarrhea and failure to thrive. [provided by RefSeq, Jul 2008],

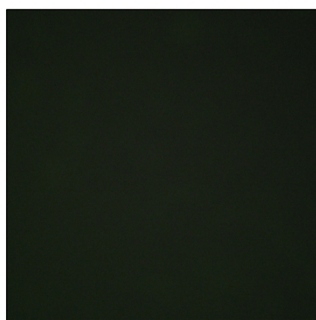
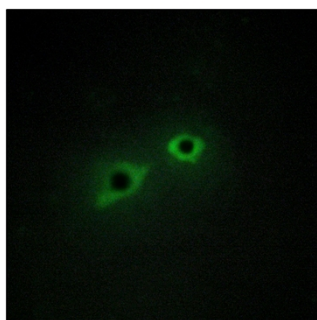
matters needing attention

Avoid repeated freezing and thawing!

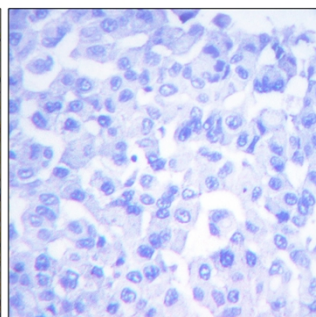
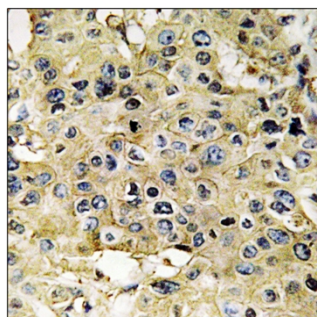
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of HepG2 cells, using ENTK Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ENTK Antibody. The picture on the right is blocked with the synthesized peptide.