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Datasheet for 600-401-AP3

CTHRC1 Antibody

Overview

Description:	Anti-CTHRC1 (RABBIT) Antibody - 600-401-AP3
Item No.:	600-401-AP3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Collagen triple helix repeat-containing protein (CTHRC1) is a glycosylated, secreted protein that is transiently expressed in the arterial wall in response to injury where it is thought to contribute to vascular remodeling by inhibiting collagen expression and deposition and promoting cell migration (1). CTHRC1 is highly expressed multiple human cancers, including pancreatic cancer where it plays a significant role in the progression and metastasis of the disease by regulating migration and adhesion of tumors cells (2). CTHRC1 overexpression can also be used as an independent prognostic marker in gastric cancer (3). Mutations at this locus have been associated with Barrett esophagus and esophageal adenocarcinoma (4).
Synonyms:	Collagen triple helix repeat-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CTHRC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CTHRC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human CTHRC1.

Purity/Specificity:	Anti-CTHRC1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CTHRC1 antibody is human, mouse and rat reactive. At least two isoforms of CTHRC1 are known to exist; this antibody will detect only the larger isoform.
Relevant Links:	• UniProtKB - Q96CG8 • GeneID - 115908 • NCBI - NP_612464

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CTHRC1 Antibody has been tested for use in ELISA, Western Blotting, IF, and IHC. Expect a band at approximately 26 kDa in Western Blots of specific cell lysates and tissues. Western Blot tested in rat samples; Immunohistochemistry and Immunofluorescence in human samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20µg/mL
IHC:	5µg/mL
WB:	1-2 µg/mL

Formulation

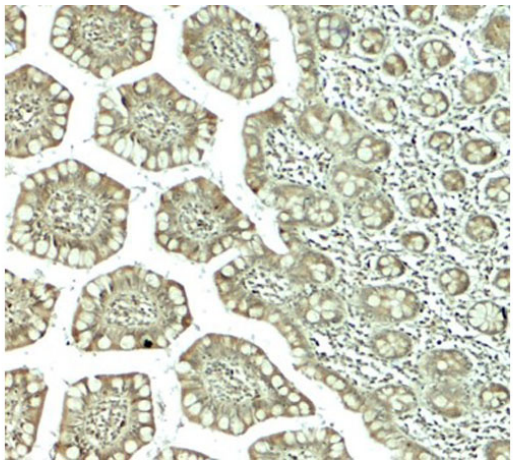
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

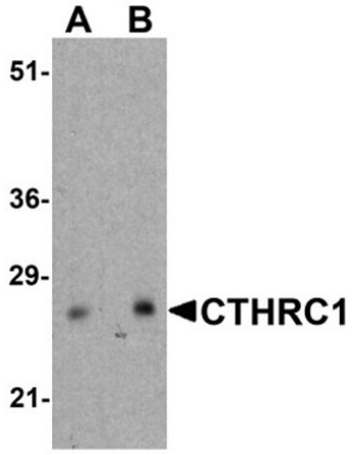
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

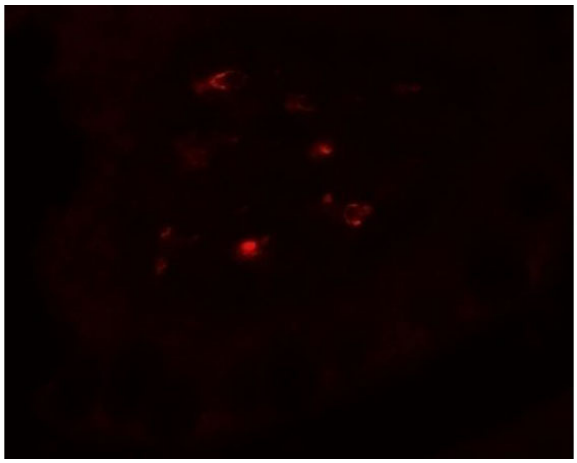
Images



Immunohistochemistry
Immunohistochemistry of CTHRC1.
Tissue: human small intestine tissue.
Primary Antibody: CTHRC1 antibody at 5 µg/mL.



Western Blot
Western blot of CTHRC1.
Load: rat small intestine tissue lysate.
Primary Antibody: CTHRC1 antibody at (A) 1 and (B) 2 µg/ml.



Immunofluorescence Microscopy
Immunofluorescence of CTHRC1.
Tissue: human small intestine tissue.
Primary Antibody: CTHRC1 antibody at 20 µg/mL.

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