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CTHRC1 Rabbit pAb

Catalog # AP98800

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96CG8
Other Accession	Q96CG8
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26224
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CTHRC1
Epitope Specificity	31-130/243
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 collagen-like domain.
Post-translational modifications	N-glycosylated (By similarity).
DISEASE	Barrett esophagus (BE) [MIM:614266]: A condition characterized by a metaplastic change in which normal esophageal squamous epithelium is replaced by a columnar and intestinal-type epithelium. Patients with Barrett esophagus have an increased risk of esophageal adenocarcinoma. The main cause of Barrett esophagus is gastroesophageal reflux. The retrograde movement of acid and bile salts from the stomach into the esophagus causes prolonged injury to the esophageal epithelium and induces chronic esophagitis, which in turn is believed to trigger the pathologic changes. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CTHRC1 is a protein that may play a role in the cellular response to arterial injury through involvement in vascular remodeling. Mutations at this locus have been associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcript variants have been described.

Additional Information

Gene ID	115908
Other Names	1110014B07Rik; CTHR1_HUMAN; CTHRC1; CTHR1_MOUSE; CTHR1_RAT; collagen triple helix repeat containing 1

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CTHRC1
Function	May act as a negative regulator of collagen matrix deposition.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Isoform 1 is expressed in calcified atherosclerotic plaque and chondrocyte-like cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.