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# anti-CTSC antibody (AA 25-134)

**Images** 



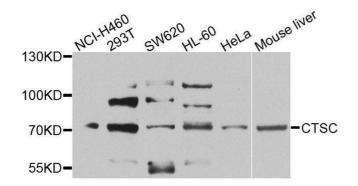
#### Overview

Quantity:	100 μL
Target:	CTSC
Binding Specificity:	AA 25-134
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTSC antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 25-134 of human CTSC (NP_001805.3).
Sequence:	DTPANCTYLD LLGTWVFQVG SSGSQRDVNC SVMGPQEKKV VVYLQKLDTA YDDLGNSGHF TIIYNQGFEI VLNDYKWFAF FKYKEEGSKV TTYCNETMTG WVHDVLGRNW
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

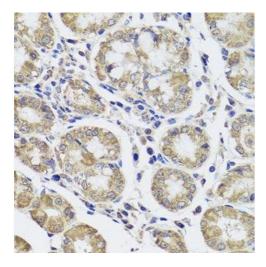
# **Target Details**

Target:	CTSC
Alternative Name:	CTSC (CTSC Products)
Background:	This gene encodes a member of the peptidase C1 family and lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in cells of the immune system. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate heavy and light chains that form a disulfide-linked dimer. A portion of the propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis.,CTSC,CPPI,DPP-I,DPPI,HMS,JP,JPD,PALS,PDON1,PLS,Cell Biology & Developmental Biology,Ubiquitin,CTSC
Molecular Weight:	15 kDa/51 kDa
Gene ID:	1075
UniProt:	P53634
Application Details	
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



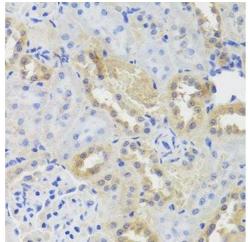
### **Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using CTSC antibody.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded human stomach using CTSC antibody.



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded rat kidney using CTSC antibody.