

CTSC Rabbit Polyclonal Antibody

Catalog No: #55502

Package Size: #55502-1 50ul #55502-2 100ul



SAB[®]

Signalway Antibody

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

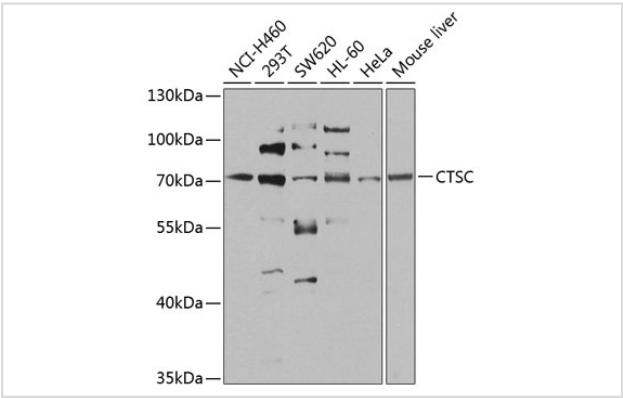
Description

Product Name	CTSC Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CTSC (NP_001805.3).
Conjugates	Unconjugated
Other Names	CTSC;CPPI;DPP-I;DPP1;DPPI;HMS;JP;JPD;PALS;PDON1;PLS
Accession No.	Uniprot:P53634GenelD:1075
Calculated MW	15kDa/51kDa
SDS-PAGE MW	70kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000

Images



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

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.

Published Papers

el at., CTSC Overexpression Drives Neutrophil Extracellular Traps And Exacerbates Lung Inflammation in Acute Lung Injury, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.