CTSC Antibody

Catalog No: #37463

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Description

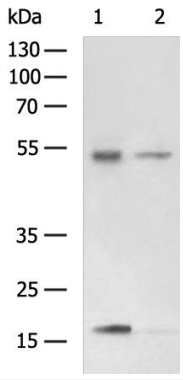
Product Name	CTSC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous levels of total CTSC protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human CTSC
Target Name	CTSC
Other Names	JP; HMS; JPD; PLS; CPPI; DPP1; DPPI; PALS; DPP-I; PDON1
Accession No.	Swiss-Prot#: P53634NCBI Gene ID: 1075Gene Accssion: NP_001107645
Uniprot	P53634
GeneID	1075;
SDS-PAGE MW	52kd
Concentration	0.7 mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

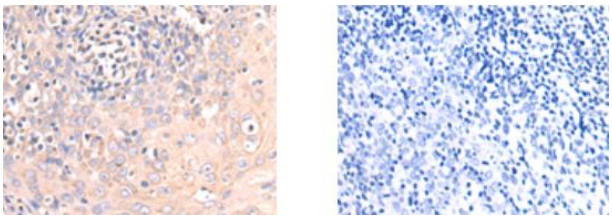
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 8%SDS-PAGE
Lysate: 40 ug
Lane 1-2: Mouse placenta tissue, Mouse kidney tissue lysates
Primary antibody: (CTSC Antibody) at dilution 1/800
Secondary antibody: (HRP-conjugated Goat anti rabbit IgG) at 1/5000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffinembedded Human tonsil tissue using (CTSC Antibody) at
dilution 1/50, on the right is treated with synthetic peptide. (Original
magnification: 200)

Background

The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in immune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual 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.

Note: This product is for in vitro research use only