

For Research Use Only

Cathepsin C Polyclonal antibody

Catalog Number: 30790-1-AP



Basic Information

Catalog Number: 30790-1-AP	GenBank Accession Number: NM_001814	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 1075	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P53634	
Isotype: IgG	Full Name: cathepsin C	
Immunogen Catalog Number: AG32420	Calculated MW: 52 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells,
Species Specificity: Human	

Background Information

Cathepsin C, also known as DPP-I. It is expected to be located in lysosome and highly expressed in lung, kidney and placenta (PMID: 9092576). 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. 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. The calculated molecular weight of Cathepsin C is 51 kDa. The 23-kDa band may be a subunit of the protein monomer, while a 100-kDa band is a dimer form (PMID: 26884336, 31557781).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

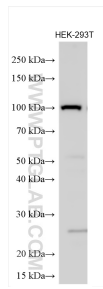
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30790-1-AP (Cathepsin C antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.