

For Research Use Only

Cathepsin V Polyclonal antibody

Catalog Number: 18442-1-AP **1 Publications**



Basic Information

Catalog Number: 18442-1-AP	GenBank Accession Number: BC023504	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1515	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: cathepsin L2	
Isotype: IgG	Calculated MW: 37 kDa	
Immunogen Catalog Number: AG13284	Observed MW: 26-36 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, human testis tissue, rat liver tissue
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

Cathepsin V is a lysosomal cysteine protease that has an important role in corneal physiology. Cathepsin V was found to be differentially expressed in relation to pigmented skin backgrounds, and was about 7.5-folds higher in keratinocytes from lightly pigmented, relative to darkly pigmented skins. It is expressed in primary keratinocytes, melanocytes, and HaCaT keratinocytes, but not in primary fibroblasts. The purified cathepsin L2 was a high molecular weight proteinase of about 78 kDa, but it was unstable to SDS and reducing conditions, which dissociated parts of the proteinase into 66 kDa, 31 kDa and 26 kDa fragments (Food Chemistry, Volume 11, Issue 4, 879-886) and it can form a complex of 70 kDa with an unidentified subunit (PMID:1930136).

Notable Publications

Author	Pubmed ID	Journal	Application
Junyu Liu	38051285	Mol Carcinog	IHC

Storage

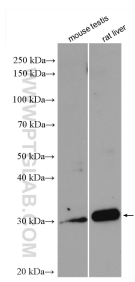
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

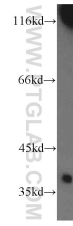
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18442-1-AP (Cathepsin V antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



human testis tissue were subjected to SDS PAGE followed by western blot with 18442-1-AP (Cathepsin V antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.