For Research Use Only

Cathepsin A Polyclonal antibody Catalog Number: 15020-1-AP (8 Publications)

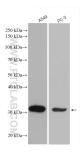


Catalog Number: 15020-1-AP		on Number:	Purification Method: Antigen affinity purification	
Size: 150ul, Concentration: 650 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG7073	GeneID (NCBI): 5476 UNIPROT ID: P10619 Full Name: cathepsin A		Recommended Dilutions: WB 1:500-1:3000 IHC 1:750-1:3000	
	Calculated MW: 54 kDa			
	Observed MW: 54-60, 32, 20 kDa			
Tested Applications: WB, IHC, ELISA		Positive Controls: WB : A549 cells, Sp2/0 cells, PC-3 cells, DU 145 cells IHC : human liver tissue, human breast cancer tissue,		
Cited Applications: WB, IHC				
Species Specificity: human, mouse, rat	rat kidney tissue			
Cited Species: human, mouse				
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
cathepsin A, carboxypeptidase C, car expressed multifunctional enzyme, v substrates with hydrophobic amino a chains and defects in CTSA are the ca	boxypeptidase Lan with deamidase, est acid residues at the I ause of galactosialio	d belongs to the pe erase, and carboxy P1-prime position. dosis (GSL). This pr	eptidase S10 family. It is a ubiquitously /peptidase activities and a preference for It can be cleaved into the following 2 otein has 2 glycosylation sites. CTSA is	
Author Pu	bmed ID Jo	ournal	Application	
David H Allendorf 35	693885 Fi	ront Cell Neurosci	WB	
		ci Rep	IHC	
		•	WB	
Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50				
Aliquoting is unnecessary for -20° C s	storage			
	15020-1-AP Size: 150ul, Concentration: 650 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG7073 Tested Applications: WB, IHC, ELISA Cited Applications: WB, IHC Species Specificity: human, mouse, rat Cited Species: human, mouse Note-IHC: suggested antigen of TE buffer pH 9.0; (*) Alternation retrieval may be performed we buffer pH 6.0 CTSA is also named as PPCB(protect cathepsin A, carboxypeptidase C, can expressed multifunctional enzyme, visubstrates with hydrophobic aminoa a chains and defects in CTSA are the ca synthesized as a 54-kDa precursor pr bonds(PMID: 16461364,19574551). Author Pu David H Allendorf 35 Huaxiang Wang 34 Yan You 29	15020-1-APBC000597Size:GeneID (NCBI):150ul, Concentration: 650 ug/ml by5476Nanodrop:UNIPROT ID:Source:P10619RabbitFull Name:Isotype:cathepsin AIgGCalculated MW:Immunogen Catalog Number:54 kDaAG7073Observed MW:54-60, 32, 20 kDaTested Applications:WB, IHC, ELISACited Applications:WB, IHCSpecies Specificity:human, mouse, ratCited Species:human, mouseNote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0CTSA is also named as PPGB(protective protein for betar cathepsin A, carboxypeptidase C, carboxypeptidase Lar expressed multifunctional enzyme, with deamidase, est substrates with hydrophobic amino acid residues at the chains and defects in CTSA are the cause of galactosiali- synthesized as a 54-kDa precursor protein and composed bonds(PMID: 16461364,19574551).AuthorPubmed IDDavid H Allendorf35693885FHuaxiang Wang34272452Yan You29452206JStorage:Storage:Storage:	15020-1-APBC000597Size:Genel D (NCBI):150ul, Concentration: 650 ug/ml by5476Nanodrop:UNIPROT ID:Source:P10619RabbitFull Name:Isotype:Catculated MW:Isotype:Catculated MW:Immuogen Catalog Number:54 k DaAG7073Observed MW:54-60, 32, 20 k DaWB: A549 ceCited Applications:WB: A549 ceWB, IHC, ELISAWB: A549 ceCited Applications:WB: A549 ceIHC : human, mouse, ratCited Species:human, mouseNote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0CTSA is also named as PPGB(protective protein for beta-galactosidase), PP cathepsin A, carboxypeptidase C, carboxypeptidase L and belongs to the p expressed multifunctional enzyme, with deamidase, esterase, and carboxy substrates with hydrophobic amino acid residues at the P1-prime position. chains and defects in CTSA are the cause of galactosialois (GSL). This pr synthesized as a 54-kDa precursor protein and composed of 32- and 20-kDe bonds(PMID: 16461364, 19574551).AuthorPubmed IDJournal David H AllendorfDavid H Allendorf35693885Front Cell Neurosci Huaxiang Wang34272452Sci RepYan You29452206J Hepatol	

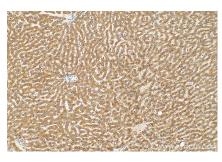
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

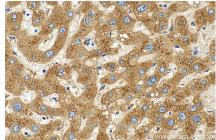
Selected Validation Data



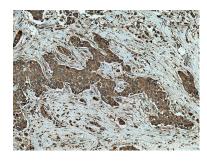
Various lysates were subjected to SDS PAGE followed by western blot with 15020-1-AP (Cathepsin A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



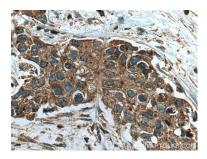
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:1500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



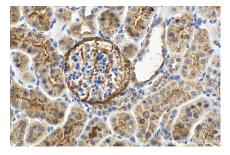
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

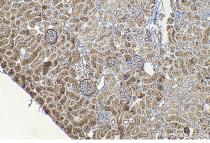


Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

	A549 DU145pc3
250 kDa→	
150 kDa \rightarrow	
100 kDa→	
70 kDa→	
50 kDa→	
40 kDa→	
30 kDa→	
20 kĐa→	
15 kDa→	

Various lysates were subjected to SDS PAGE followed by western blot with 15020-1-AP (Cathepsin A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.





Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 15020-1-AP (Cathepsin A antibody) at dilution of 1:1500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).