<mark>ို</mark> Cathepsin B (D1C7Y) XP[®] Rabbit mAb





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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P, IF-IC, FC- FP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 44, 27, 24	Source/Isotype: Rabbit IgG	UniProt ID: #P07858	Entrez-Gene Id: 1508	
Product Usage Information		Application Western Blotting Immunohistochemist Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem	istry)	1:400		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sensitivity		Cathepsin B (D1C7Y) XP $^{\textcircled{B}}$ Rabbit mAb recognizes endogenous levels of total cathepsin B protein. This antibody detects the heavy chain subunit of cathepsin B.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the heavy chain subunit of human cathepsin B protein.					
Background		endopeptidase (1,2). C runs at approximately mature two-chain pro High levels of catheps cells, including lung, c been associated with localized to lysosome thought to involve pro Expression can correla	Cathepsin B is produ v 44 kDa on SDS-PAC tein containing a he in B are found in m colon, prostate, brea multiple sclerosis (3 s, in cancer alteratic protion of basemen ate with poor progn a SARS-CoV-2-related	mily of proteases, is a wi uced from a larger precu SE, and is proteolytically eavy chain (running at 27 acrophages and osteocl ast, and stomach. In add b), rheumatoid arthritis (ons can lead to its secret int membrane degradations osis for a variety of form d target for research into D-19 pandemic.	processed and glyc processed and glyc and 24 kDa) and a asts, as well as vari- ition, expression of 4), and pancreatitis ion (6). Its role in tu on, invasion and mo as of cancer (9-13).	epsin B, which cosylated to form a light chain (5 kDa). ous types of cancer cathepsin B has (5). While generally mor progression is etastasis (7,8).	
Background Re	ferences	5. Halangk, W. et al. (2	 Proc Natl Acad Sci. Neurology 44, 7- (2001) Biochem Bio (2000) J Clin Invest 10 (1000) J Clin Invest 10 (1006) Cancer Res 66 (1096) Cancer Res 66 (1998) J Clin Oncol (1998) J Clin Concer 81, 5 (1) Clin Cancer Res 66 	<i>USA</i> 83, 2909-13. 45-8. <i>pphys Res Commun</i> 283, 16, 773-81. <i>Iv Exp Med Biol</i> 389, 281 -23. , 5242-50. 301-9. 16, 1013-21. 10-9. , 578-84.			
Species Reactiv	vity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ii	n 5% w/v BSA, 1X	
Applications Ke	ey .			chemistry (Paraffin) IF-I metry (Fixed/Permeabili		ence	
Cross-Reactivit	у Кеу	H: Human M: Mouse I	R: Rat				

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