

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Cathepsin D



Numéro de catalogue: 66534-1-Ig

Phare

6 Publications

## Informations de base

Numéro de catalogue: 66534-1-Ig	Numéro d'acquisition GenBank: BC016320	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1827 µg/ml by 1509 Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 2F6F7	CloneNo.: 2F6F7
Hôte: Mouse	Nom complet: cathepsin D	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG2b	MW calculé: 412 aa, 45 kDa	
Immunogen Catalog Number: AG15254	MW observés: 32 kDa, 48 kDa, 52 kDa	

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
IF, WB

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain, rat

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : Saos-2 cells, cellules HepG2, cellules MCF-7, cellules T-47D

IHC : tissu de cancer du foie humain, tissu de cancer du sein humain

IF : cellules HepG2,

## Informations générales

CTSD (Cathepsin D) is also named as CPSD, belongs to the peptidase A1 family. It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. Human CTSD is synthesized as a 52-kDa precursor that is converted into an active 48-kDa single-chain intermediate in the endosomes, and then into a fully active mature form, composed of a 34-kDa heavy chain and a 14-kDa light chain, in the lysosomes. It is a lysosomal acid protease found in neutrophils and monocytes and involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. (PMID: 27114232, PMID: 30717773, PMID: 30051532)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Zhiyuan Wu	34575099	Life (Basel)	WB,IF
Hualin Fu	36448495	FEBS Lett	IF
Peipei Ding	35649359	Cell Rep	WB

## Stockage

Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

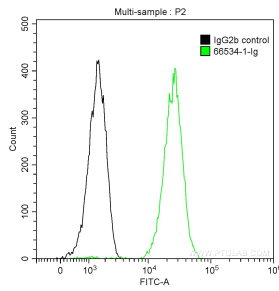
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

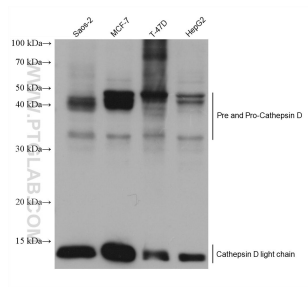
E: proteintech@ptglab.com  
W: ptglab.com

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

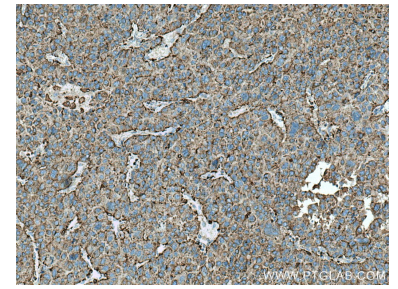
## Données de validation sélectionnées



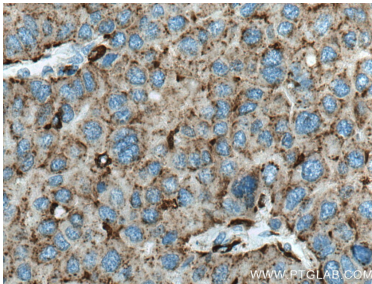
1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug Anti-Human Cathepsin D (66534-1-Ig, Clone:2F6F7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



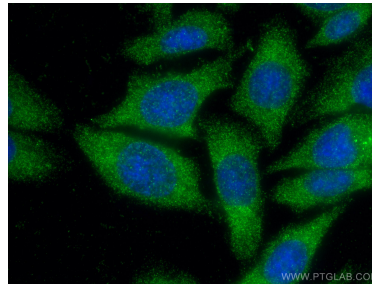
Various lysates were subjected to SDS PAGE followed by western blot with 66534-1-Ig (Cathepsin D antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66534-1-Ig (Cathepsin D antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66534-1-Ig (Cathepsin D antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Cathepsin D antibody (66534-1-Ig, Clone: 2F6F7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).