

产品名称: Cathepsin D Rabbit Polyclonal Antibody
产品货号: APRab08016



产品概述 (Summary)

产品名称 (Production Name)	Cathepsin D Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTSD
别名 (Alternative Names)	CTSD; CPSD; Cathepsin D
基因 ID (Gene ID)	1509.0
蛋白 ID (SwissProt ID)	P07339.The antiserum was produced against synthesized peptide derived from human Cathepsin D. AA range:296-345

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	46,30kDa

研究背景 (Background)

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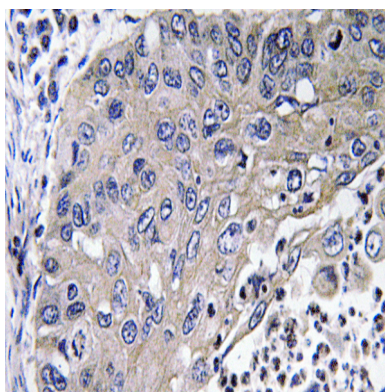


This gene encodes a member of the A1 family of peptidases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the cathepsin D light and heavy chains, which heterodimerize to form the mature enzyme. This enzyme exhibits pepsin-like activity and plays a role in protein turnover and in the proteolytic activation of hormones and growth factors. Mutations in this gene play a causal role in neuronal ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases, including breast cancer and possibly Alzheimer's disease. [provided by RefSeq, Nov 2015], catalytic activity: Specificity similar to, but narrower than, that of pepsin A. Does not cleave the 4-Gln-|-His-5 bond in B chain of insulin., disease: Defects in CTSD are the cause of neuronal ceroid lipofuscinosis 10 (CLN10) [MIM:610127]; also known as neuronal ceroid lipofuscinosis due to cathepsin D deficiency. The neuronal ceroid lipofuscinosis are a group of progressive neurodegenerative diseases in children and in adults, characterized by visual and mental decline, motor disturbance, epilepsy and behavioral changes., function: Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease., polymorphism: The Val-58 allele is significantly overrepresented in demented patients (11.8%) compared with non-demented controls (4.9%). Carriers of the Val-58 allele have a 3.1-fold increased risk for developing AD than non-carriers., similarity: Belongs to the peptidase A1 family., subcellular location: Identified by mass spectrometry in melanosome fractions from stage I to stage IV., subunit: Consists of a light chain and a heavy chain.,

研究领域 (Research Area)

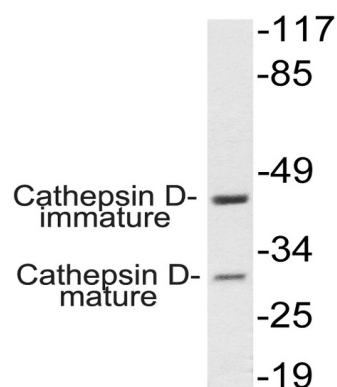
Lysosome;

图片 (Image Data)

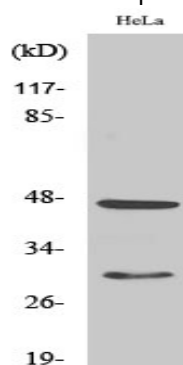


Immunohistochemistry analysis of Cathepsin D antibody in paraffin-embedded human lung carcinoma tissue.

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Western blot analysis of lysate from HepG2 cells, using Cathepsin D antibody.



Western Blot analysis of various cells using Cathepsin D Polyclonal Antibody

注意事项 (Note)

For research use only .