

产品名称: Cathepsin D (11F19) Rabbit Monoclonal Antibody
产品货号: AMRe08010



产品概述 (Summary)

产品名称 (Production Name)	Cathepsin D (11F19) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IF-P
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTSD
别名 (Alternative Names)	CATD; Cathepsin D; Cathepsin D heavy chain; Cathepsin D light chain; ceroid-lipofuscinosis, neuronal 10; CLN10; CPSD; CTSD; lysosomal aspartyl peptidase; lysosomal aspartyl protease; MGC2311
基因 ID (Gene ID)	1509.0
蛋白 ID (SwissProt ID)	P07339.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:20-1:50,IF-P 1:50-1:200
蛋白分子量 (Molecular Weight)	45kDa

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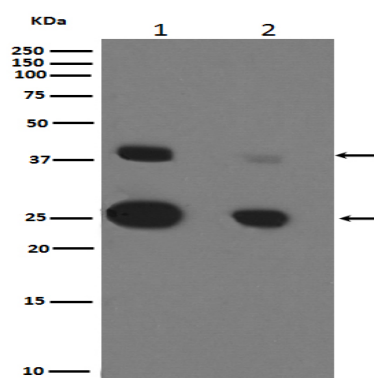
研究背景 (Background)

This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of this gene is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease. Acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by ADAM30 which leads to APP degradation (PubMed: <http://www.uniprot.org/citations/27333034>). Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

研究领域 (Research Area)

Neuroscience; Cell Adhesion Proteins; Membrane Proteins; Signal Transduction; Cytoskeleton / ECM; Extracellular Matrix; ECM Enzymes; Cancer; Cell Biology; Proteolysis / Ubiquitin; Proteolytic enzymes; Cysteine protease; Cathepsins; Neuroscience; Diseases

图片 (Image Data)



Western blot analysis of Cathepsin D expression in (1)MCF-7 cell lysate;(2)SKBR-3 cell lysate.

注意事项 (Note)

For research use only .