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Cathepsin L/V/K/H (YD34706) Rabbit mAb

货号: **AYD16180**

产品信息

反应	Human, Mouse, Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC-P ICC/IF FC
推荐浓度	
理论分子量	38kDa/37kDa/37kDa/37kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA, 50% glycerol, pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Lysosome, Apical cell membrane, Cytoplasmic vesicle, secretory vesicle, chromaffin granule, Secreted, extracellular space, Nucleus
纯化	亲和纯化

抗原信息

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靶点信息

研究背景	Thiol protease important for the overall degradation of proteins in lysosomes (Probable). Plays a critical role for normal cellular functions such as general protein turnover, antigen processing and bone remodeling. Involved in the solubilization of cross-linked TG/thyroglobulin and in the subsequent release of thyroid hormone thyroxine (T4) by limited proteolysis of TG/thyroglobulin in the thyroid follicle lumen (By similarity). In neuroendocrine chromaffin cells secretory vesicles, catalyzes the prohormone proenkephalin processing to the active enkephalin peptide neurotransmitter (By similarity). In thymus, regulates CD4(+) T cell positive selection by generating the major histocompatibility complex class II (MHCII) bound peptide ligands presented by cortical thymic epithelial cells. Also mediates invariant chain processing in cortical thymic epithelial cells (By similarity). Major elastin-degrading enzyme at neutral pH. Accumulates as a mature and active enzyme in the extracellular space of antigen presenting cells (APCs) to regulate degradation of the extracellular matrix in the course of inflammation (By similarity). Secreted form generates endostatin from COL18A1 (PubMed:10716919). Critical for cardiac morphology and function. Plays an important role in hair follicle morphogenesis and cycling, as well as epidermal differentiation (By similarity). Required for maximal stimulation of steroidogenesis by TIMP1 (By similarity) Cysteine protease. May have an important role in corneal physiology Thiol protease involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in extracellular matrix degradation. Involved in the release of thyroid hormone thyroxine (T4) by limited proteolysis of TG/thyroglobulin in the thyroid follicle lumen (PubMed:11082042) Important for the overall degradation of proteins in lysosomes
基因ID	1514, 1515, 1513, 1512
基因名	CTSL, CTSV, CTSK, CTSH
Swiss	P07711 (https://www.uniprot.org/uniprotkb/P07711/entry), O60911 (https://www.uniprot.org/uniprotkb/O60911/entry), P43235 (https://www.uniprot.org/uniprotkb/P43235/entry), P09668 (https://www.uniprot.org/uniprotkb/P09668/entry)
别名	Cathepsin L/V/K/H (YD34706),Cathepsin L/V/K/H (YD34706) Rabbit mAb,CTSL,CTSV,CTSK,CTSH,Cathepsin L1,Major excreted protein,Cathepsin U,Cathepsin V,Cathepsin O,Cathepsin O2,Cathepsin X,CTSL1,CATL2,CTSL2,CTSU,CTSO,CTSO2,CPSB

产品验证

实验步骤

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