

KD-Validated Anti-Cathepsin D Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1171

Product Information

Application	WB
Primary Accession	P07339
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3340
Calculated MW	44552
Gene Name	CTSD
Aliases	CTSD; Cathepsin D; CLN10; CPSD; Ceroid-Lipofuscinosis, Neuronal 10; EC 3.4.23.5; Epididymis Secretory Sperm Binding Protein Li 130P; Cathepsin D (Lysosomal Aspartyl Protease); Lysosomal Aspartyl Peptidase; Lysosomal Aspartyl Protease; HEL-S-130P; EC 3.4.23
Immunogen	A synthesized peptide derived from human Cathepsin D

Additional Information

Gene ID	1509
Other Names	Cathepsin D, 3.4.23.5, Cathepsin D light chain, Cathepsin D heavy chain, CTSD, CPSD

Protein Information

Name	CTSD
Synonyms	CPSD
Function	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: 27333034). Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.
Cellular Location	Lysosome. Melanosome. Secreted, extracellular space. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In aortic samples, detected as an extracellular protein loosely bound to the matrix (PubMed:20551380)
Tissue Location	Expressed in the aorta extracellular space (at protein level) (PubMed:20551380). Expressed in liver (at protein level) (PubMed:1426530).

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