

Anti-Cathepsin D antibody



Description

Goat polyclonal antibody to Cathepsin D. Cathepsin D is a lysosomal aspartic protease of the pepsin family. Acid protease active in intracellular protein breakdown. It is composed of a dimer of disulphide-linked heavy and light chains, both produced from a single protein precursor. It is involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

Model	STJ140018
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	IEM, IF, IHC, WB
Immunogen	Purified recombinant peptide derived from within residues 275 aa to the C-terminus of human Cathepsin D produced in E. coli.
Immunogen Region	C-Term, residues 275 aa
Gene ID	1509
Gene Symbol	CTSD
Dilution range	Western blot 1:250-1:1,000 Immunofluorescence 1:50-1:200 Immunohistochemistry (paraffin) 1:50-1:200 Immunohistochemistry (frozen) 1:50-1:200 IEM 1:50-1:200
Specificity	This antibody gives a positive signal in the following human (Jurkat, HT1080, HUH, MDA-MB-231, ARPE19, SH-SY5Y), canine (MDCK) and monkey (COS-7) whole cell lysates.
Purification	This antibody is epitope-affinity purified from goat antiserum.

Note	For research use only (RUO).
Protein Name	ceroid-lipofuscinosis CLN10; CPSD CTSD lysosomal aspartyl protease lysosomal aspartyl peptidase neuronal 10
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	2 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:2529OMIM:116840
Alternative Names	ceroid-lipofuscinosis CLN10; CPSD CTSD lysosomal aspartyl protease lysosomal aspartyl peptidase neuronal 10

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