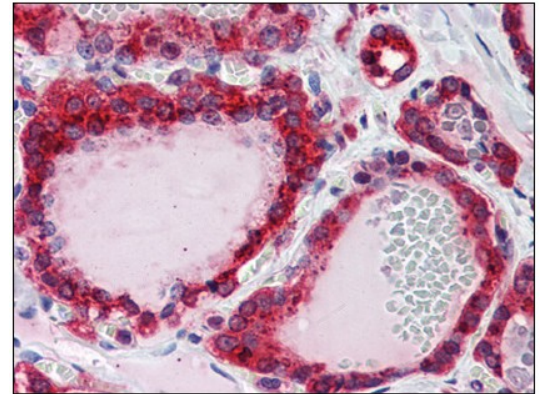


AM31775PU-N**Monoclonal Antibody to Cathepsin D (26-412) - Purified**

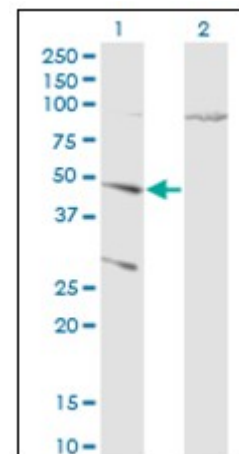
Alternate names:	CPSD, CTSD
Quantity:	50 µg
Concentration:	0.45 mg/ml
Background:	Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. Defects in CTSD are the cause of neuronal ceroid lipofuscinosis type 10 (CLN10) [MIM:610127]; also known as neuronal ceroid lipofuscinosis due to cathepsin D deficiency. A form of neuronal ceroid lipofuscinosis with onset at birth or early childhood. Neuronal ceroid lipofuscinoses are progressive neurodegenerative, lysosomal storage diseases characterized by intracellular accumulation of autofluorescent liposomal material, and clinically by seizures, dementia, visual loss, and/or cerebral atrophy.
Uniprot ID:	P07339
NCBI:	NP_001900
GeneID:	1509
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	3F12-1B9
Immunogen:	CTSD antibody was raised against cTSD (AAH16320, 26 a.a. ~ 412 a.a) full length recombinant protein with GST tag. Remarks: MW of the GST tag alone is 26 KDa.
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS, pH 7.4
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Immunoprecipitation. Western Blot: 1/500 - 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to full length CTSD / Cathepsin D.
Species Reactivity:	Tested: Human
Storage:	Store the antibody at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

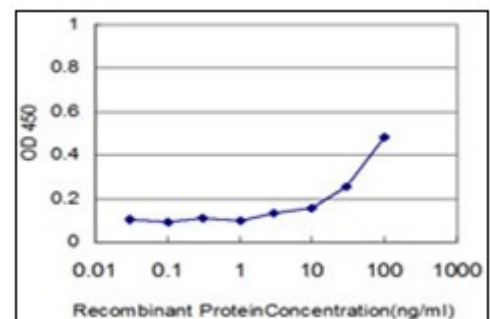
Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blot analysis of CTSD expression in transfected 293T cell line by CTSD antibody. Lane 1: CTSD transfected lysate (Predicted MW: 44.6 KDa). Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CTSD is approximately 3ng/ml as a capture antibody.



Immunoprecipitation of CTSD transfected lysate using anti-CTSD monoclonal antibody and Protein A Magnetic Bead.

