
Cathepsin D Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251720

Unit: 0.1 mg

Description:

Cathepsin D is an acid protease active in intracellular protein breakdown. Cathepsin D is involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. Cathepsin D consists of a light chain and a heavy chain. Defects in CTSD are the cause of neuronal ceroid lipofuscinosis type 10 (CLN10), also known as neuronal ceroid lipofuscinosis due to cathepsin D deficiency. Neuronal ceroid lipofuscinoses are progressive neurodegenerative, lysosomal storage diseases characterized by intracellular accumulation of autofluorescent liposomal material. This results in seizures, dementia, visual loss, and/or cerebral atrophy.

Isotype: Mouse IgG2a

Applications: E, WB

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Cathepsin D; CTSD; CPSD

Accession No.: P07339

Antigen: Human liver cathepsin D.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Rouse R et al. 2013.Toxicologic Pathology. doi: 10.1177/0192623313486967. PMID# 23640381.

For research use only, not for diagnostic or therapeutic procedures.