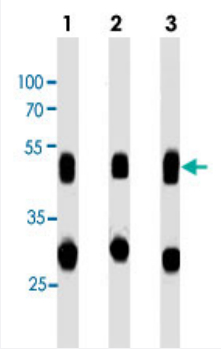
CTSD monoclonal antibody, clone 892CT11.1.1

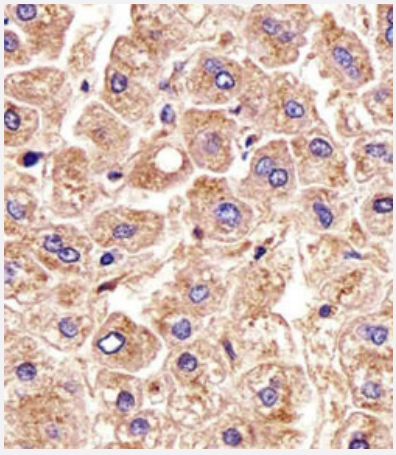
Catalog # MAB12339 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: MCF-7 cell line lysates Lane 2: U251 cell line lysates Lane 3: HepG2 cell line lysates reacted with CTSD monoclonal antibody (Cat # MAB12339) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human liver section reacted with CTSD monoclonal antibody (Cat # MAB12339) at 1:25 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human CTSD.
Immunogen	Recombinant His fusion protein corresponding to human CTSD.
Host	Mouse
Reactivity	Human
Form	Liquid

Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Western Blot (Cell lysate)

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Gene Info — CTSD

Entrez GeneID	1509
Gene Name	CTSD
Gene Alias	CLN10, CPSD, MGC2311
Gene Description	cathepsin D
Omim ID	116840 610127
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a memb er of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Trans cription of this gene is initiated from several sites, including one which is a start site for an estroge n-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases , including breast cancer and possibly Alzheimer disease. [provided by RefSeq
Other Designations	lysosomal aspartyl peptidase|lysosomal aspartyl protease

Pathway

- Lysosome

Disease

- Alzheimer disease
- Breast Neoplasms
- Cardiovascular Diseases
- Chronic Disease
- Cognition
- Cognition Disorders
- Creutzfeldt-Jakob Syndrome
- Dementia
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Memory
- Mental Processes
- Metabolic Syndrome X

- Neoplasms
- Neuropsychological Tests
- Osteoporosis
- Ovarian Neoplasms
- Parkinson disease
- Periodontitis