



Rabbit Anti-Human CSTB Polyclonal Antibody (CABT-L2050)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Cystatin B (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against CSTB. It has been selected for its ability to recognize CSTB in immunohistochemical staining and western blotting.
Target	CSTB
Immunogen	Recombinant fragment corresponding to human CSTB (Met1~Phe98)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and kininogens. This gene encodes a stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, h and b. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). [provided by RefSeq, Jul 2008]
Keywords	Cys-B;CST6;EPM1;PME;STFB;CPI-B;Stefin B;Liver thiol proteinase inhibitor

GENE INFORMATION

Gene Name	CSTB cystatin B (stefin B) [Homo sapiens (human)]
Official Symbol	CSTB
Synonyms	CSTB; cystatin B (stefin B); PME; ULD; CST6; EPM1; STFB; EPM1A; cystatin-B; CPI-B; liver thiol proteinase inhibitor;
Entrez Gene ID	1476
Protein Refseq	NP_000091
UniProt ID	P04080
Chromosome Location	21q22.3
Pathway	0
Function	cysteine-type endopeptidase inhibitor activity; endopeptidase inhibitor activity; poly(A) RNA binding; protease binding;