



Mouse anti-Human CSTB polyclonal antibody (DPAB-DC642)

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

PRODUCT INFORMATION

Antigen Description 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).

Immunogen	CSTB (AAH03370, 1 a.a. ~ 98 a.a) full-length recombinant protein with GST tag. The sequence is MMCGAPSATQPATAETQHIADQVRSQLEEKENKKFPVFKAVSFKSQVVAGTNYFIKVVHVG DEDFVHLRVFQSLPHENKPLTLSNYQTNKAKHDELTYF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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
Function	cysteine-type endopeptidase inhibitor activity; endopeptidase inhibitor activity; poly(A) RNA binding; protease binding