

32-6070: Mouse Anti Human Cystatin B(Clone:P2F1AT.)

Clonality :	Monoclonal
Clone Name :	P2F1AT.
Application :	ELISA,WB
Gene :	CSTB
Gene ID :	1476
Uniprot ID :	P04080
Format :	Purified
Alternative Name :	Cystatin-B,Stefin-B,Liver thiol proteinase inhibitor,CPI-B,CSTB,CST6,EPM1,PME,STFB.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human CSTB mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CSTB amino acids 1-98 purified from E. coli.

Description

Type 1 cystatins are also called stefins which function as intracellular thiol protease inhibitors. Cystatin-B protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, h and b. CSTB protein protects proteases leakage from lysosomes. Mutations in Stefin-B gene cause primary defects in patients with progressive myoclonic epilepsy (EPM1), a degenerative disease of the central nervous system. CSTB is overexpressed & elevated in the serum of HCC patients. Cystatin-B in vivo has a polymeric structure which is sensitive to the redox environment. Cystatin-B inhibits bone resorption by down-regulating intracellular cathepsin K activity despite increased osteoclast survival. Protein and mRNA levels of stefin B are significantly lower in atypical benign meningiomas. Stefins-A & Stefin-B which belong to the type-1 Cystatins, are up-regulated in lung tumours and thus able to counteract harmful tumour-associated proteolytic activity. Human stefin-A & Stef

Product Info

Amount :	20 µg
Purification :	CSTB antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

CSTB antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000~ 2,000. Recommended starting dilution is 1:1,000.