

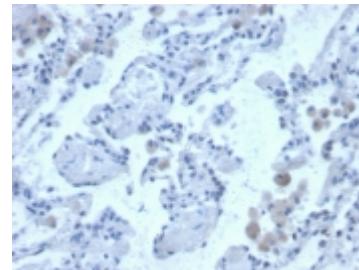
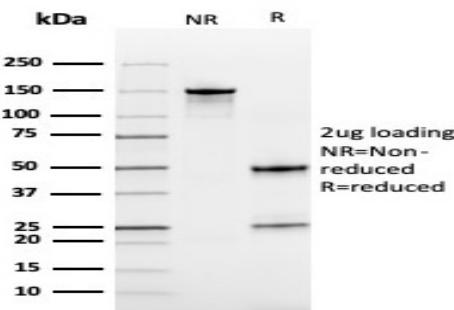
Cystatin B (Marker of Epithelial Ovarian Cancer Progression)

Mouse Monoclonal Antibody [Clone CPTC-CSTB-3]

Catalog No	Format	Size	Price (USD)
1476-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
1476-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
1476-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	1476
Human SwissProt	P04080
Human Unigene	695
Human Gene Symbol	CSTB
Human Chromosome Location	21q22.3
Synonyms	CHROW21; CPI-B; CST 6; CSTB; CYTB; Stefin B; EPM1; Liver thiol proteinase inhibitor; PME; STFB; ULD

Immunogen	Recombinant full-length human Cystatin B protein
Host / Ig Isotype	Mouse / IgG1, kappa
Mol. Weight of Antigen	12kDa
Cellular Localization	Cytoplasm and nucleus.
Species Reactivity	Human.
Positive Control	HEK293T or U-87 MG cells. Human tonsil.



SDS-PAGE Analysis Purified Cystatin B Mouse Monoclonal Antibody (CPTC-CSTB-3). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Cystatin A (also designated STF1, STFA, stefin A or cystatin AS) and cystatin B (also designated PME, CST6, STFB, CPI-B, stefin B and liver thiol proteinase inhibitor) are thiol protease inhibitors that form complexes with papain and the cathepsins B, H, and L. cystatin A, a cytoplasmic protein, is one of the precursor proteins of the cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. cystatin B protects against intracellular proteases leaking out of lysosomes and is primarily expressed in heart, liver and kidney.

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml)

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)

Optimal dilution for a specific application should be determined.

Key References

- Wang X, et al. Cystatin B is a progression marker of human epithelial ovarian tumors mediated by the TGF- signaling pathway. *Int J Oncol.* 2014 Apr;44(4):1099-106.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.