

Mouse anti-Human Cystatin B Monoclonal Antibody | anti-CSTB antibody

Cystatin B (Marker of Epithelial Ovarian Cancer Progression)

CATALOG # AAA215414	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Cystatin B; Monoclonal Antibody; Cystatin B (Marker of Epithelial Ovarian Cancer Progression); CHROW21; CPI-B; CST 6; CSTB; CYTB; Stefin B; EPM1; Liver thiol proteinase inhibitor; PME; STFB; ULD; anti-CSTB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CPTC-CSTB-3
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	98
Applicable Applications for anti-CSTB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Recombinant full-length Human Cystatin B protein
Cellular Localization	Cytoplasm and Nucleus
Hu-chromosome Location	21q22.3
Positive Control	HEK293T or U-87 MG cells. Human Tonsil.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human lung stained with Cystatin B Mouse Monoclonal Antibody (CPTC-CSTB-3).



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

ADDITIONAL INFORMATION

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503117
NCBI GeneID	1476
NCBI Accession #	NP_000091.1
NCBI GenBank Nucleotide #	NP_000091.1
UniProt Accession #	P04080
Molecular Weight	12kDa
NCBI Official Full Name	cystatin-B
NCBI Official Synonym Full Names	cystatin B
NCBI Official Symbol	CSTB
NCBI Official Synonym Symbols	PME; ULD; CST6; EPM1; STFB; CPI-B; EPM1A
NCBI Protein Information	cystatin-B
UniProt Protein Name	Cystatin-B
UniProt Gene Name	CSTB
UniProt Synonym Gene Names	CST6; STFB
UniProt Entry Name	CYTB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cystatin-b-antibody-clone-cptc-cstb-3-western-blot-immunohistochemistry-elisa/215414>