10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cystatin B Rabbit mAb

Catalog # AP76461

Product Information

Application	WB, IHC-P
Primary Accession	P04080
Reactivity	Rat, Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	11140

Additional Information

Gene ID	1476
Other Names	CSTB
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

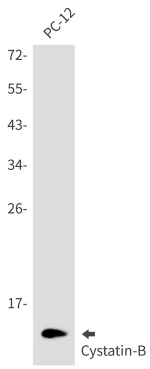
Name	CSTB
Synonyms	CST6, STFB
Function	This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B.
Cellular Location	Cytoplasm. Nucleus

Background

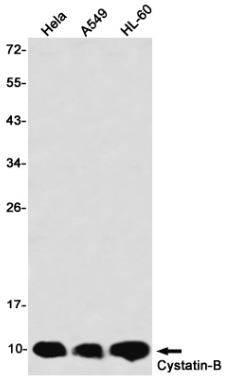
Cystatin B (CSTB), a member of the cystatin superfamily protein, is a stefin that functions as an intracellular thiol protease inhibitor and has been thought to play a role in protecting against the proteases leaking from lysosomes. CSTB plays various functions in a variety of diseases, including epithelial ovarian cancer, colon cancer, and myoclonus epilepsy. Evidence indicates that mutations in CSTB are responsible for the primary

defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCCGCCCCGCG repeat from 2-3 copies to 30-78 copies.

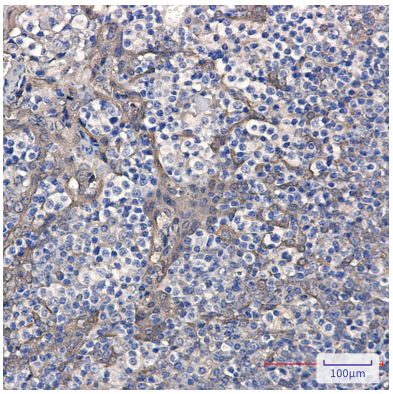
Images



Western blot analysis of CystatinB in PC-12 lysates using Cystatin B antibody.



Western blot analysis of CystatinB in Hela, A549, HL-60 lysates using CystatinB antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CystatinB antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.