

## ARG63552 anti-Cystatin B / Stefin B antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Cystatin B / Stefin B
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Cystatin B / Stefin B
Species	Human
Immunogen	C-QTNKAKHDELTYF
Conjugation	Un-conjugated
Alternate Names	Liver thiol proteinase inhibitor; EPM1; CPI-B; EPM1A; Cystatin-B; Stefin-B; PME; CST6; ULD; STFB

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 1476 Human](#)

[Swiss-port # P04080 Human](#)

### Background

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). [provided by RefSeq, Jul 2008]

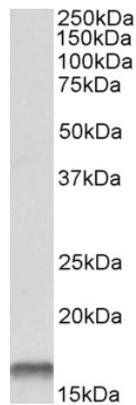
### Research Area

Cell Biology and Cellular Response antibody

### Calculated Mw

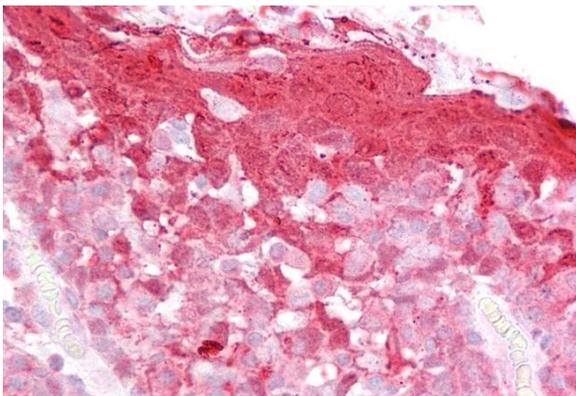
11 kDa

## Images



ARG63552 anti-Cystatin B / Stefin B antibody WB image

Western Blot: Human Lungs (35 µg protein in RIPA buffer) stained with ARG63552 anti-Cystatin B antibody at 0.1 µg/ml dilution.



ARG63552 anti-Cystatin B / Stefin B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63552 anti-Cystatin B / Stefin B antibody at 2.5 µg/ml dilution followed by AP-staining.