

## ARG66182 anti-CST3 / Cystatin C antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes CST3 / Cystatin C
Tested Reactivity	Hu
Tested Application	IHC-P
Specificity	The antibody detects endogenous Cystatin 3.
Host	Mouse
Clonality	Monoclonal
Target Name	CST3 / Cystatin C
Species	Human
Immunogen	Recombinant Protein of Human Cystatin 3.
Conjugation	Un-conjugated
Alternate Names	Cystatin-C; Neuroendocrine basic polypeptide; Post-gamma-globulin; ARMD11; Cystatin-3; Gamma-trace

### Application Instructions

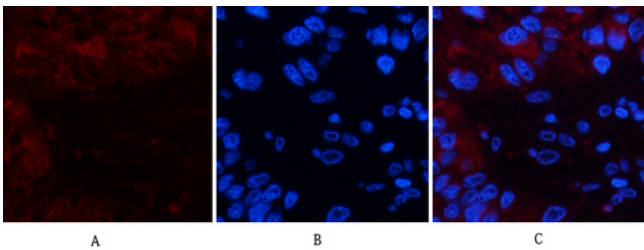
Application table	Application	Dilution
	IHC-P	1:100 - 1:200
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 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. 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.

Gene Symbol	CST3
Gene Full Name	cystatin C
Background	<p>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 the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, establishing its role in vascular disease. In addition, this protein has been shown to have an antimicrobial function, inhibiting the replication of herpes simplex virus. Alternative splicing results in multiple transcript variants encoding a single protein. [provided by RefSeq, Nov 2014]</p>
Function	<p>As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity. [UniProt]</p>
Calculated Mw	16 kDa
PTM	<p>The Thr-25 variant is O-glycosylated with a core 1 or possibly core 8 glycan. The signal peptide of the O-glycosylated Thr-25 variant is cleaved between Ala-20 and Val-21.</p>

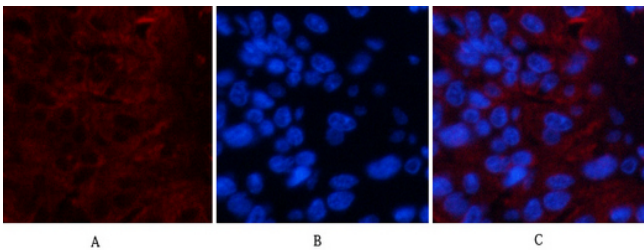
Images



ARG66182 anti-CST3 / Cystatin C antibody IHC image

Immunohistochemistry: Human liver cancer tissue stained with ARG66182 anti-CST3 / Cystatin C antibody (red) at 1:200 dilution (4°C, overnight).

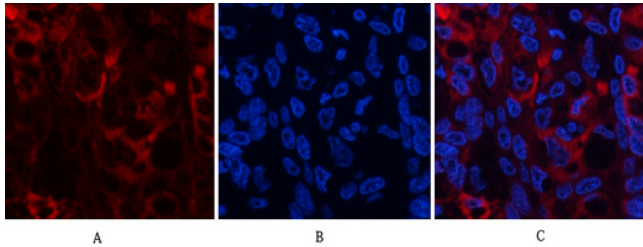
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



ARG66182 anti-CST3 / Cystatin C antibody IHC image

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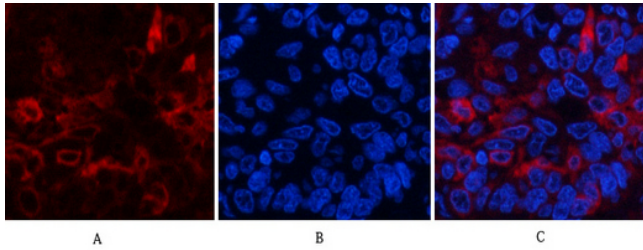
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#### ARG66182 anti-CST3 / Cystatin C antibody IHC image

Immunohistochemistry: Human lung cancer tissue stained with ARG66182 anti-CST3 / Cystatin C antibody (red) at 1:200 dilution (4°C, overnight).

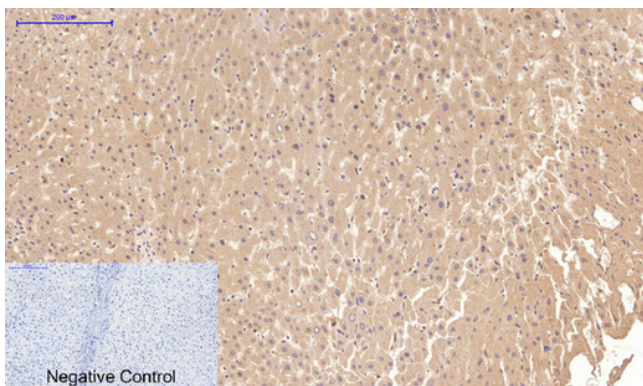
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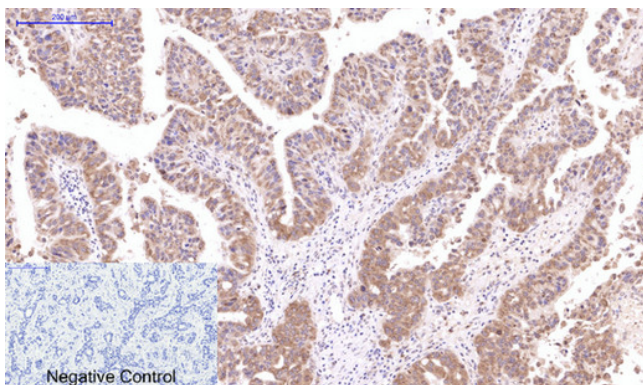
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

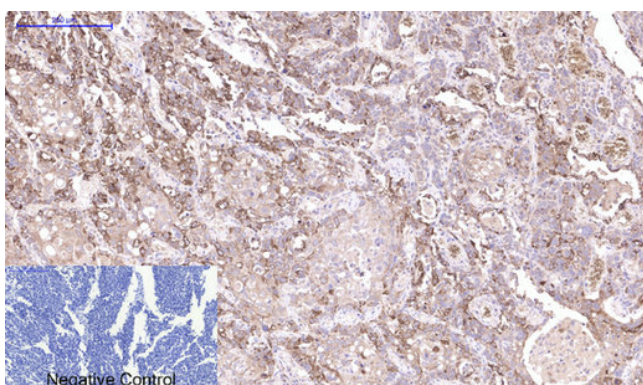
Negative control was used by secondary antibody only.



#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.

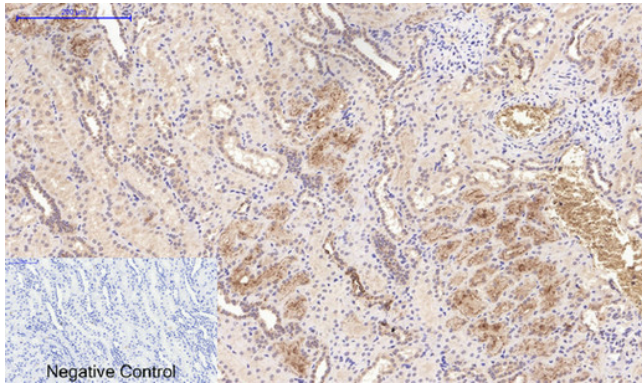


#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

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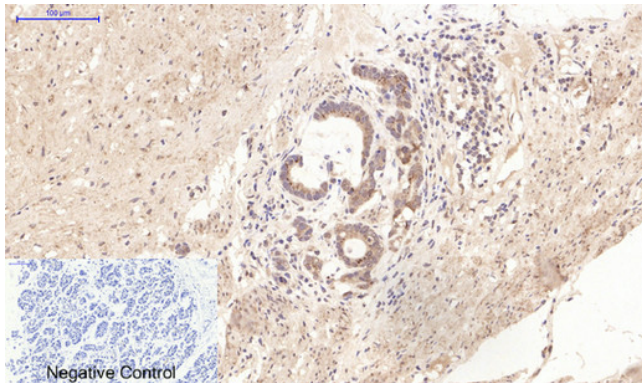




#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

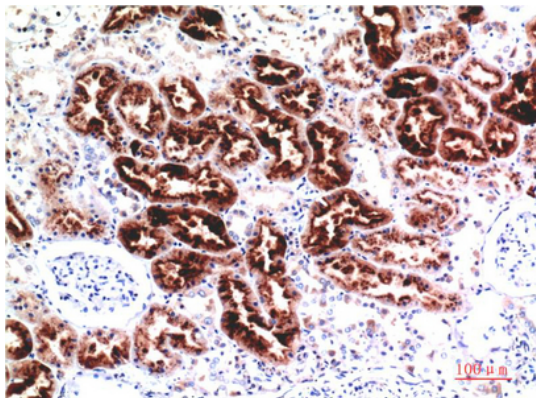
Negative control was used by secondary antibody only.



#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

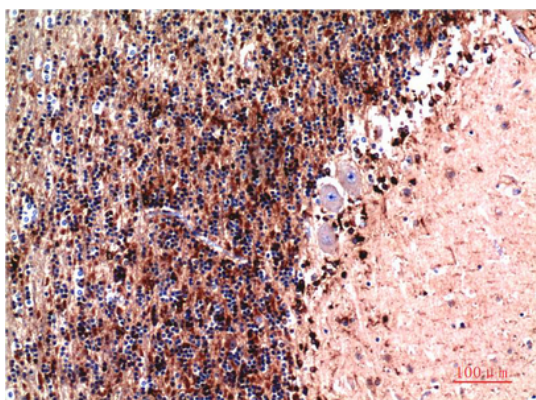
Immunohistochemistry: Paraffin-embedded Human stomach cancer tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Negative control was used by secondary antibody only.



#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Kidney Tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution.



#### ARG66182 anti-CST3 / Cystatin C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Brain Tissue stained with ARG66182 anti-CST3 / Cystatin C antibody at 1:200 dilution.