ARG63208
anti-CST3 / Cystatin C antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CST3 / Cystatin C
Tested Reactivity	Ms
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CST3 / Cystatin C
Species	Mouse
Immunogen	GTHSLTKFSCKNA
Conjugation	Un-conjugated
Alternate Names	Cystatin-C; Neuroendocrine basic polypeptide; Post-gamma-globulin; ARMD11; Cystatin-3; Gamma-trace

Application Instructions

Application table

Application	Dilution
WB	0.01 - 0.03 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

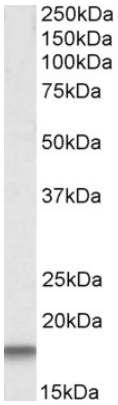
Properties

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: 13010 Mouse Swiss-port # P21460 Mouse
Gene Symbol	Cst3
Gene Full Name	cystatin C
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 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]
Function	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]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Controls and Markers antibody; Developmental Biology antibody
Calculated Mw	16 kDa
PTM	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.

Images



ARG63208 anti-CST3 / Cystatin C antibody WB image

Western blot: Mouse Testis lysate (35 µg protein in RIPA buffer) stained with ARG63208 anti-CST3 / Cystatin C antibody at 0.01 µg/ml dilution.