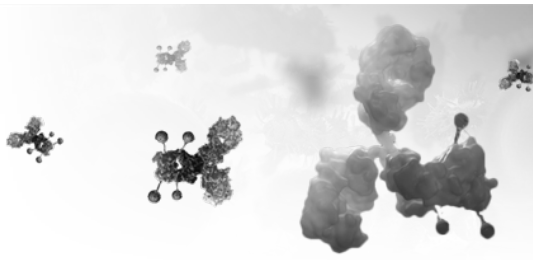

Rabbit Anti-Cystatin C monoclonal antibody, clone KK10-27 (DCABH-2742)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Cystatin C
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK10-27
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	16 kDa
Cellular Localization	Secreted.
Positive Control	Hela, human liver cancer tissue, human kidney tissue, mouse brain tissue, mouse spleen tissue, mouse placenta tissue, mouse kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Cystatin C is a cysteine (thiol) protease inhibitor that belongs to the type II cystatin gene superfamily and is the most abundant extracellular inhibitor of cysteine proteases. Cystatin C is a constitutively secreted, amyloidogenic protein, which forms a two-fold symmetric dimer and modulates both cysteine protease activity and the expression of class II MHC molecules. Expression of cystatin C is an indicator of kidney function and glomerular filtration rate. Mutations in the cystatin C gene can lead to protein aggregates, which are implicated in hereditary amyloid angiopathy (HCCAA) and cerebral hemorrhage. Although both wild-type and mutant cystatin C are capable of forming concentration dependent inactive dimers, mutant cystatin C dimerizes at lower concentrations and is more susceptible to serine proteases, which may facilitate aggregation. In neuronal cells, oxidative stress stimulates expression of cystatin C, which may positively regulate apoptosis.
Keywords	AD 8;AD8;Amyloid angiopathy and cerebral hemorrhage;ARMD11;bA218C14.4 (cystatin C);bA218C14.4;Cst 3;Cst3;CST3 protein;Cystatin 3;Cystatin-3;Cystatin-C;Cystatin3;CystatinC;CYTC_HUMAN;Epididymis secretory protein Li 2;Gamma trace;Gamma-trace;HCCAA;HEL S 2;MGC117328;Neuroendocrine basic polypeptide;Post gamma globulin;Post-gamma-globulin antibody

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