



Chicken Anti-Cystatin C Polyclonal antibody (CABT-RM275)

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

PRODUCT INFORMATION

Specificity	Cystatin C
Target	Cystatin C
Immunogen	Native Cystatin C purified from urine of patients with chronic renal tubular proteinuria.
Source/Host	Chicken
Species Reactivity	Human
Purification	Affinity purified. Purified IgY antibody that is antigen affinity purified from the eggs laid by hens that are immunized with human Cystatin C. Product is 0.2 µm filtered.
Conjugate	unconjugated
Applications	N/A
Format	Liquid
Concentration	3.3 mg/mL
Size	1 mg
Buffer	0.1 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.226.
Preservative	0.09% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction

Cystatin C or cystatin 3 is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid (a specific type of protein deposition), such as Alzheimer's disease. In humans, all cells with a nucleus (cell core containing the DNA) produce cystatin C as a chain of 120 amino acids. It is found in virtually all tissues and body fluids. It is a potent inhibitor of lysosomal proteinases (enzymes from a special subunit of the cell that break down proteins) and probably one of the most important extracellular inhibitors of cysteine proteases (it prevents the breakdown of proteins outside the cell by a specific type of protein degrading enzymes)

Keywords

cystatin-C; cystatin 3; cystatin-3; gamma-trace; post-gamma-globulin; neuroendocrine basic polypeptide; CST3

GENE INFORMATION

Entrez Gene ID

[1471](#)

UniProt ID

[P01034](#)