Polyclonal Antibody against Human Cystatin C

Catalog Number: 11240  Size: 100 μg  Host: Rabbit

Immunogen:
Native protein isolated from human urine

Isotype/Preparation:
Rabbit crude IgG was purified by protein-G column

Specificity:
The antibody detects circular and uric human Cystatin C.

Formulation:
Solution in PBS.

Storage:
Store at –20°C. For long-term storage, aliquot and freeze at -70°C.
Avoid repeated freeze/defrost cycles.

Application/Usage:
ELISA - This antibody can be used at 2μg/mL with the appropriate secondary reagents to detect human Cystatin C.
Western blot, Immunoprecipitation and immunocytochemistry are not tested.

Introduction
Human cystatin C (or cystatin 3), which is composed of 120 amino acid residues, belongs to the cystatins superfamily that inactivates lysosomal cysteine proteinases. As a strongly cationic and low-molecular weight (13.4 kDa) protein, it is almost freely filtered across the glomerular membrane, and is mainly used as a biomarker of kidney function. A growing body of evidence suggests that cystatin C is a more reliable biomarker of glomerular filtration rate than creatinine [1-3].
In addition to kidney disease, altered serum levels of cystatin C are associated with several types of cardiovascular disease, including myocardial infarction, stroke, heart failure, peripheral arterial disease and metabolic syndrome [4-7]. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease [8, 9]. Furthermore, Cystatin C has also been investigated as a prognostic marker in several forms of cancer [11, 12].

Reference: