

Basic Information

Product Name	Anti-Cystatin C/CST3 Antibody (Clone#OTI2C8)
Gene Name	CST3
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	IHC, WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human CST3(NP_000090) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	13.3 kDa
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

Storage

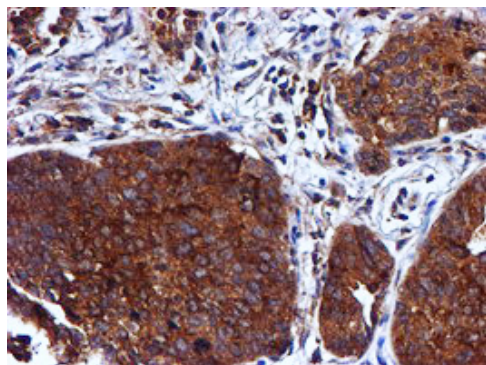
Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

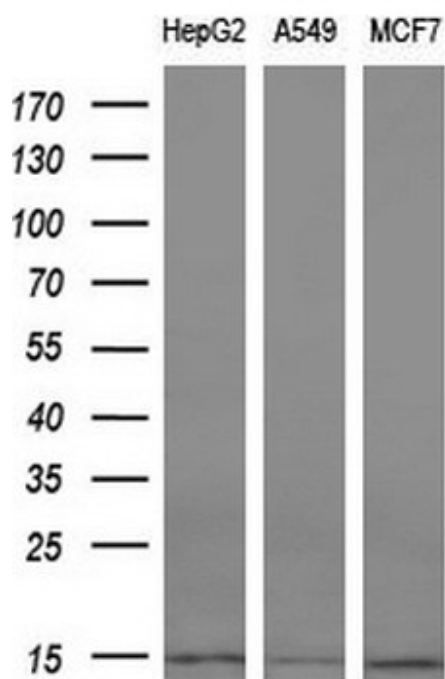
Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease. By human-rodent somatic cell hybridizations, Abrahamson et al.(1989) mapped the human CST3 to chromosome 20. Cystatin C was originally described as a constituent of normal cerebrospinal fluid(CSF) and of urine from patients with renal failure(Grubb and Lofberg, 1982). It is present in a number of neuroendocrine cells and its concentration in the CSF was reported to be 5.5 times that in plasma of healthy adults(Lofberg and Grubb, 1979; Lofberg et al., 1981; Lofberg et al., 1983). Grubb and Lofberg(1982) detected the protein in human pituitary gland, and suggested that it is part of the gastroenteropancreatic

neuroendocrine system.

Selected Validation Data



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CST3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M00961-2) (1:150)



Western blot analysis of extracts (10ug) from 3 different cell lines by using anti-CST3 monoclonal antibody (1:200).

Product datasheet

**Anti-Cystatin C/CST3 Antibody
(Clone#OTI2C8)**

Catalog Number: M00961-2

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