



Cystatin C (5A2)

Mouse monoclonal Antibody

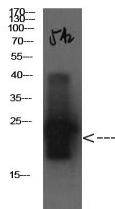
#55083

**Catalog Number:** 55083**Amount:** 100µg/100µl**Swiss-Prot No. :** P01034**GENE ID:** 1471**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of Cystatin C and does not cross-react with related proteins**Alternative Names:** cst3**Reactivity:** Human**Applications:**

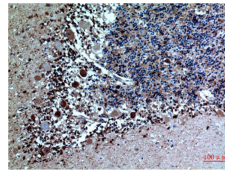
Predicted MW: 14kd

WB:1:1000-2000

IHC:1:100-200



Western Blot  
analysis of Cystatin C protein using  
Cystatin C Mouse mAb



Immunohistochemical analysis of  
paraffin-embedded Human Brain Tissue  
using Cystatin C Mouse mAb

**Background:** Cystatin C or cystatin 3 (formerly gamma trace, post-gamma-globulin or neuroendocrine basic polypeptide), 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 (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). Cystatin C belongs to the type 2 cystatin gene family.