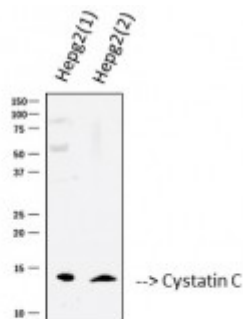


Anti-Cystatin C antibody



Western Blot (WB) analysis of hep2 cells using Cystatin C Mouse Monoclonal Antibody(7F11) from two batches. (STJ97732)



Description

Cystatin C is a protein encoded by the CST3 gene which is approximately 15,7 kDa. Cystatin C is secreted into the extracellular space. It is involved in the innate immune system, salivary secretion, neuroscience and plaque formation. This protein falls under the cystatin superfamily. It is the most abundant extracellular inhibitor of cysteine proteases and is thought to serve an important physiological role as a local regulator of this enzyme activity. Cystatin C is expressed in the nervous system, blood, kidney, saliva and muscle. Mutations in the CST3 gene may result in Creutzfeldt-Jakob disease. STJ97732 was developed from clone 7F11 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous levels of CST3.

Model	STJ97732
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Recombinant peptide derived from Cystatin C
Gene ID	1471
Gene Symbol	CST3
Dilution range	WB 1:1000-2000IHC 1:100-200
Specificity	Cystatin C Mouse Monoclonal Antibody (7F11) detects endogenous levels of CST3
Tissue Specificity	Expressed in submandibular and sublingual saliva but not in parotid saliva (at

protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland.

Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	7F11
Note	For Research Use Only (RUO).
Protein Name	Cystatin-C Cystatin-3 Gamma-trace Neuroendocrine basic polypeptide Post-gamma-globulin
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2475OMIM:105150
Alternative Names	Cystatin-C Cystatin-3 Gamma-trace Neuroendocrine basic polypeptide Post-gamma-globulin
Function	As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity.
Cellular Localization	Secreted
Post-translational Modifications	The Thr-25 variant is O-glycosylated with a core 1 or possibly core 8 glycan. The signal peptide of the O-glycosylated Thr-25 variant is cleaved between Ala-20 and Val-21.