



CST3

Antibody

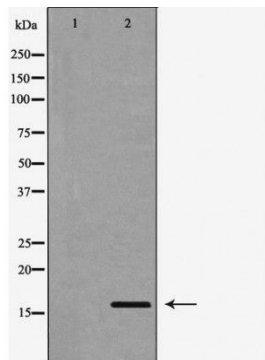
#24224

Catalog Number: 24224-1, 24224-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P01034**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized peptide derived from Human CST3**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Specificity/Sensitivity:** CST3 Antibody detects endogenous levels of total CST3**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 16kd

WB: 1:500-2000

IHC: 1:50-200



Western blot analysis of extracts of NCI-H460 cell lines, using CST3 antibody.

Background :

Cystatin C is a 14 kDa member of the Cystatin superfamily of cysteine protease inhibitors . Most cell types secrete Cystatin C . Cystatin C inhibits cathepsins, and thereby may function as a tumor suppressor by inhibiting cathepsin mediated tumor cell invasion . In addition, this tumor suppressor function can also be attributed to Cystatin C's ability to antagonize TGF-β1 signaling . Cystatin C may also modulate antigen presentation through its ability to inhibit cathepsins . Cystatin C is also a biomarker for kidney dysfunction