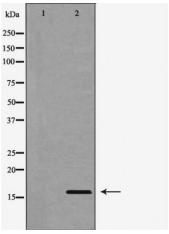
Cystatin C Ab

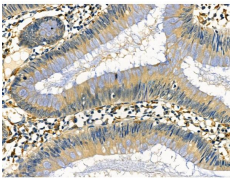
References(1) Images(3)

Cat.#: DF6457	Concn.: ~1mg/ml	Mol.Wt.: 16kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat,Monkey
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human Cystatin C, corresponding to a region within the internal amino acids.
Uniprot:	P01034
Description:	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-?1 signaling (2,3). Cystatin C may also modulate antigen presentation through its ability to inhibit cathepsins . Cystatin C is also a biomarker for kidney dysfunction .



Western blot analysis of extracts from NCI-H460, using CST3 Ab. The lane on the left was treated with the antigen-specific peptide.



DF6457 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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