ELK Biotechnology

Cystatin B rabbit pAb

Cat No.:ES8767

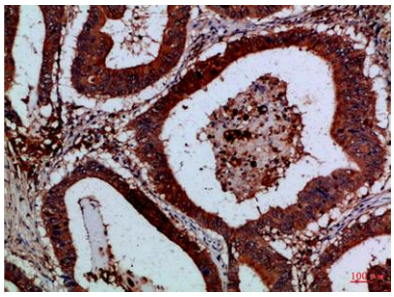
For research use only

Overview

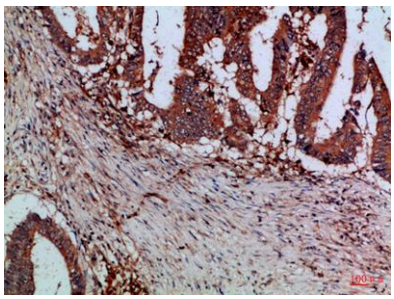
Product Name	Cystatin B rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	IHC-p 1:50-200, ELISA 1:10000-20000
Immunogen	Synthetic peptide from human protein at AA range: 20-60
Specificity	The antibody detects endogenous Cystatin B
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cystatin-B (CPI-B) (Liver thiol proteinase inhibitor) (Stefin-B)
Gene Name	CSTB CST6 STFB
Cellular localization	Cytoplasm . Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	1476
Human Swiss-Prot Number	P04080
Alternative Names	Cystatin-B (CPI-B;Liver thiol proteinase inhibitor;Stefin-B)
Background	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and kininogens. This gene encodes a stefin that functions as an

intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins l, h and b. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCCGCCCCGCG rep

Immunohistochemical analysis of paraffin-embedded Human-colon-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon-cancer, antibody was diluted at 1:100



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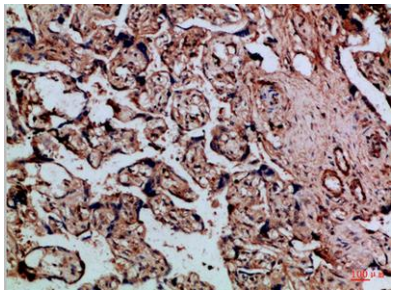
Immunohistochemical analysis of paraffin-embedded Human-placenta, antibody was diluted at 1:100



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