



Cystatin A Polyclonal Antibody

Catalog No	YP-Ab-03803
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CSTA
Immunogen	The antiserum was produced against synthesized peptide derived from human Stefin A. AA range:49-98
Specificity	Cystatin A Polyclonal Antibody detects endogenous levels of Cystatin A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CSTA;Stefin-A;Cystatin-A;N-terminally processed;Cystatin AS;Cystatin A;STF1;STFA;Cystatin-AS
Observed Band	11kD
Calculated Molecular Weight	11kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed in the skin throughout the epidermis.
Function	function:This is an intracellular thiol proteinase inhibitor.,similarity:Belongs to the cystatin family.,
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 a cysteine protease inhibitor, forming tight complexes with papain



and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer. [provided by RefSeq, Jul 2008],

matters needing attention

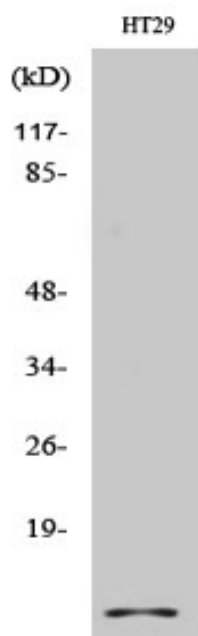
Avoid repeated freezing and thawing!

Usage suggestions

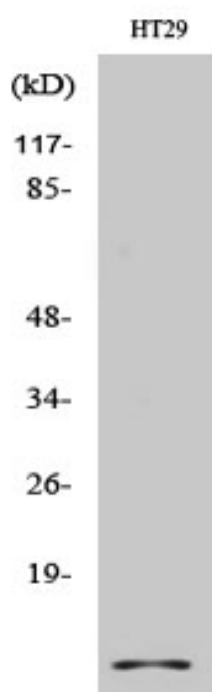
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



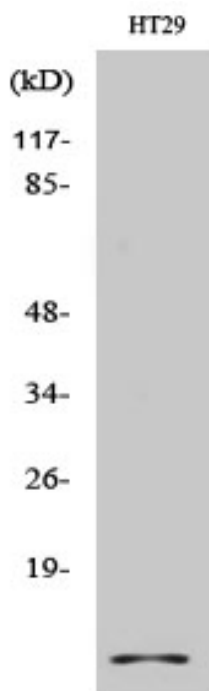
Products Images



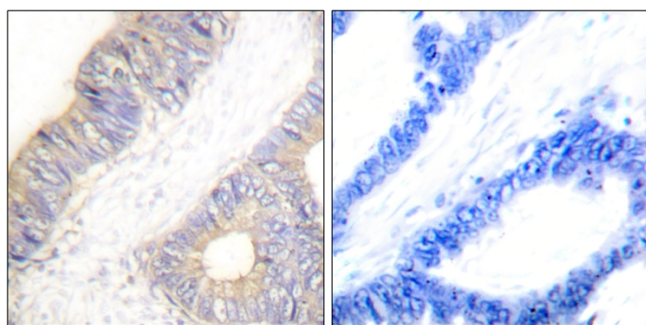
Western Blot analysis of various cells using Cystatin A Polyclonal Antibody



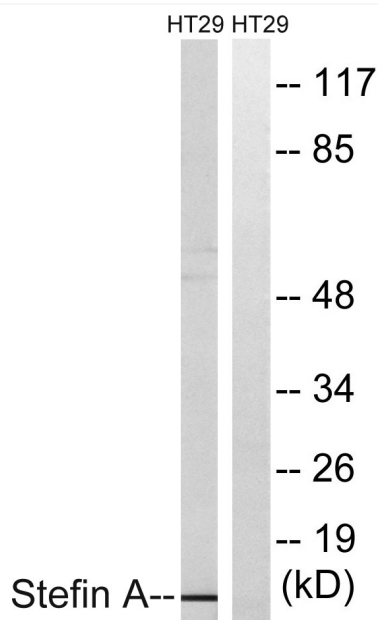
Western Blot analysis of HT29 cells using Cystatin A Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using Stefin A Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using Stefin A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT29 cells, using Stefin A Antibody. The lane on the right is blocked with the synthesized peptide.