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## anti-CSTA antibody (C-Term)





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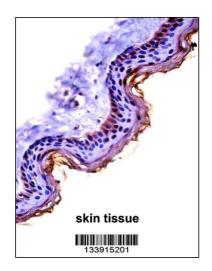
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Overview		
Quantity:	400 μL	
Target:	CSTA	
Binding Specificity:	AA 69-98, C-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CSTA antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	This CSTA antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 69-98 amino acids from the C-terminal region of human CSTA.	
Isotype:	Ig Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	CSTA	
Alternative Name:	CSTA (CSTA Products)	
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,	

rarget Details		
	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.	
Molecular Weight:	11 kDa	
Gene ID:	1475	
UniProt:	P01040	
Pathways:	Response to Water Deprivation	
Application Details		
Application Notes:	For WB starting dilution is: 1:1000	
	For IHC-P starting dilution is: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.45 mg/mL	
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care	

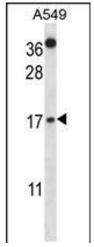
prolonged high temperatures.

should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to



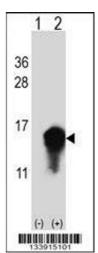
#### **Immunohistochemistry**

**Image 1.** CSTA Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.



#### **Western Blotting**

**Image 2.** Western blot analysis in A549 cell line lysates (35ug/lane).



### **Western Blotting**

**Image 3.** Western blot analysis of CSTA using rabbit polyclonal CSTA Antibody using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CSTA gene.