

Product Datasheet

Cystatin A Antibody / CSTA (orb2643151)

Catalog Number	orb2643151
Category	Antibodies
Description	<p>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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2c, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein G affinity chromatography
Immunogen	A recombinant human partial protein (amino acids 1-98) was used as the immunogen for the Cystatin A antibody.
UniProt ID	P01040
Tested applications	IHC-P, WB
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml,Western blot: 1-2ug/ml

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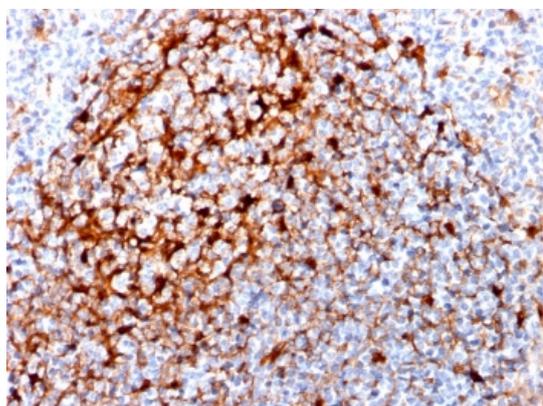
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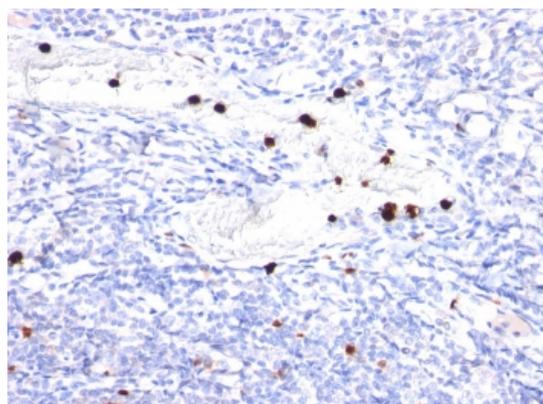
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Application notes	Optimal dilution of the Cystatin A antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CPTC-CSTA-1
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human tonsil with Cystatin A antibody (clone CPTC-CSTA-1). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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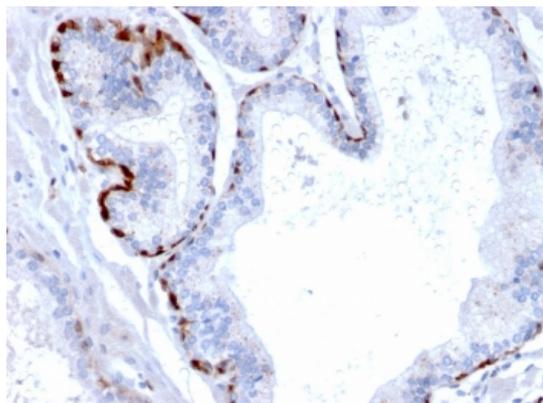
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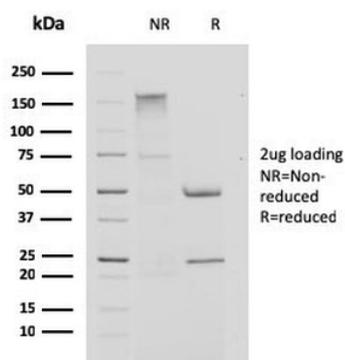
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IHC staining of FFPE human prostate with Cystatin A antibody (clone CPTC-CSTA-1). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Cystatin A antibody (clone CPTC-CSTA-1) as confirmation of integrity and purity.

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