

Product Datasheet

Cystatin A Antibody / CSTA (orb2636429)

Catalog Number	orb2636429
Description	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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	A recombinant fragment of human CSTA protein (within amino acids 1-98) was used as the immunogen for the recombinant Cystatin A antibody.
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
Application notes	Optimal dilution of the recombinant Cystatin A antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG2b, kappa
Clonality	Monoclonal

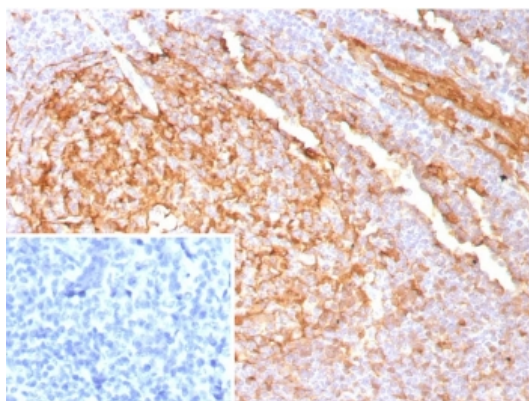
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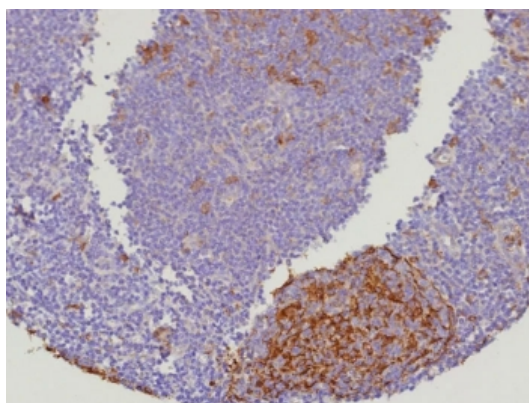
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Clone Number	CSTA/9087R
Antibody Type	Primary Antibody
Uniprot ID	P01040
Hazard Information	This recombinant Cystatin A antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human tonsil tissue with recombinant Cystatin A antibody (clone CSTA/9087R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



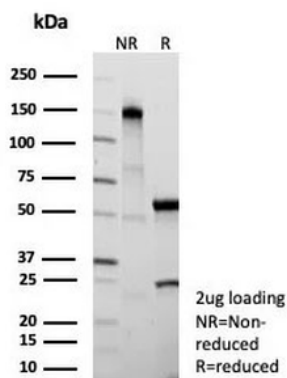
IHC staining of FFPE human lymph node tissue with recombinant Cystatin A antibody (clone CSTA/9087R). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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SDS-PAGE analysis of purified, BSA-free recombinant Cystatin A antibody (clone CSTA/9087R) as confirmation of integrity and purity.

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