

CSTA-1

Uniprot ID: [P01040](#)

Protein name: CYTA_HUMAN

Full name: Cystatin-A

Protein existence: evidence at protein level

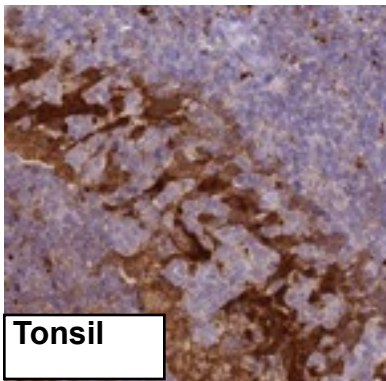
Function: This is an intracellular thiol proteinase inhibitor.

Subcellular location: Cytoplasm.

Three antibodies: CSTA-1, CSTA-2 and CSTA-3 were tested. All were approved for IHC.
CSTA-1 was selected for full protein profiling.

CSTA-1 (CAB047315)

OK



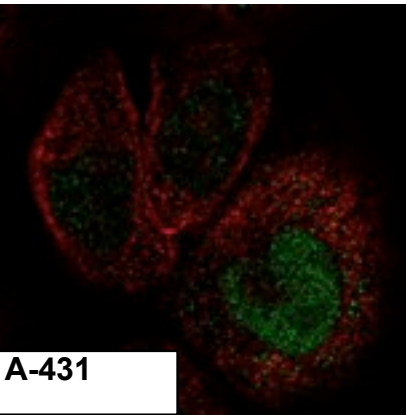
Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:20000

IHC test staining: Strong staining mainly in squamous epithelia of tonsil and skin.

IHC Annotators comments

Squamous epithelia displayed strong cytoplasmic and nuclear staining. Cells in red pulp of spleen and hepatocytes showed moderate cytoplasmic positivity. Remaining normal tissues were negative.

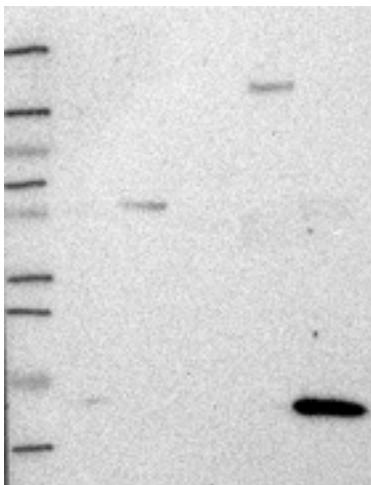


Immunofluorescence

IF Overlay: antibody (green), anti-tubuline (red) and DAPI (blue)

IF Localization: Nucleus

IF Validation: The subcellular location is not consistent with literature.



Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 11, 7

WB Validation: Supportive - Band of predicted size in kDa (+/-20%) with additional bands present.