

CSTB Rabbit Polyclonal Antibody

Catalog No: #54794



Package Size: #54794-1 50ul #54794-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

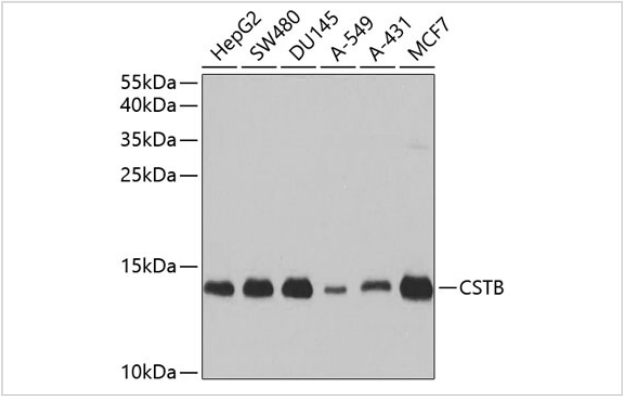
Description

Product Name	CSTB Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Rat
Immunogen Description	Recombinant fusion protein of human CSTB (NP_000091.1).
Other Names	CSTB;CPI-B;CST6;EPM1;EPM1A;PME;STFB;ULD
Accession No.	Uniprot:P04080GenelD:1476
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GenelD	1476
Calculated MW	11kDa
SDS-PAGE MW	14kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

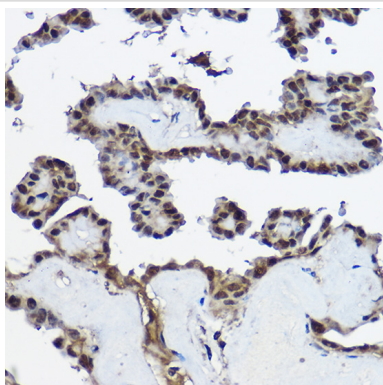
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200

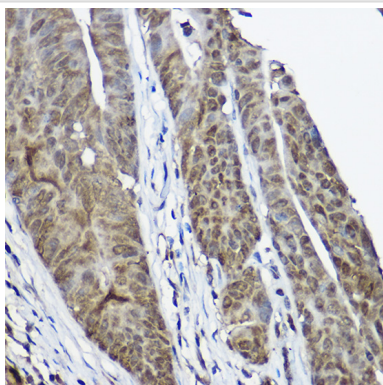
Images



Western blot analysis of extracts of various cell lines, using CSTB antibody.



Immunohistochemistry of paraffin-embedded human thyroid cancer using CSTB Rabbit pAb.



Immunohistochemistry of paraffin-embedded human colon carcinoma using CSTB Rabbit pAb.

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 an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCC GCCCGCG repeat from 2-3 copies to 30-78 copies.

Note: This product is for in vitro research use only