

UST Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17272b**Specification**

UST Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9Y2C2
Other Accession	O8BUB6 , NP_005706.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47673
Antigen Region	291-319

UST Antibody (C-term) - Additional Information**Gene ID** 10090**Other Names**

Uronyl 2-sulfotransferase, 282-, UST, DS2ST

Target/Specificity

This UST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-319 amino acids from the C-terminal region of human UST.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

Precautions

UST Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UST Antibody (C-term) - Protein Information**Name** UST ([HGNC:17223](#))

Synonyms DS2ST

Function Sulfotransferase that catalyzes the transfer of sulfate to the position 2 of uronyl residues in glycosaminoglycan chains (PubMed:[10187838](#), PubMed:[17227754](#)). Has mainly activity toward iduronyl residues in dermatan sulfate, and weaker activity toward glucuronyl residues of chondroitin sulfate (PubMed:[10187838](#)). Has little to no activity toward desulfated N-resulfated heparin or N-sulfoheparosan (PubMed:[10187838](#), PubMed:[17227754](#)).

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

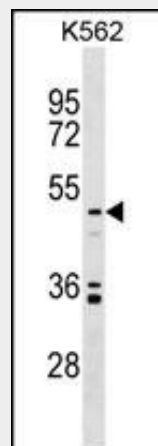
Widely expressed..

UST Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UST Antibody (C-term) - Images



UST Antibody (C-term) (Cat. #AP17272b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the UST antibody detected the UST protein (arrow).

UST Antibody (C-term) - Background

Uronyl 2-sulfotransferase transfers sulfate to the 2-position of uronyl residues, such as iduronyl residues in dermatan sulfate and glucuronyl residues in chondroitin sulfate (Kobayashi et al., 1999 [PubMed 10187838]).

UST Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Uher, R., et al. Am J Psychiatry 167(5):555-564(2010)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Xu, D., et al. J. Biol. Chem. 282(11):8356-8367(2007)
Ohtake, S., et al. J. Biol. Chem. 280(47):39115-39123(2005)