

UXS1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13077B

Specification

UXS1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8NBZ7
Other Accession	Q5POX0 , Q91XL3 , NP_079352.2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47577
Antigen Region	337-366

UXS1 Antibody (C-term) - Additional Information

Gene ID 80146

Other Names

UDP-glucuronic acid decarboxylase 1, UDP-glucuronate decarboxylase 1, UGD, UXS-1, UXS1

Target/Specificity

This UXS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-366 amino acids from the C-terminal region of human UXS1.

Dilution

WB~~1:1000

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

UXS1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UXS1 Antibody (C-term) - Protein Information

Name UXS1 {ECO:0000303|PubMed:22810237, ECO:0000312|HGNC:HGNC:17729}

Function Catalyzes the NAD-dependent decarboxylation of UDP-glucuronic acid to UDP-xylose

(PubMed:[23656592](#), PubMed:[22810237](#), PubMed:[25521717](#)). Necessary for the biosynthesis of the core tetrasaccharide in glycosaminoglycan biosynthesis (PubMed:[23656592](#), PubMed:[22810237](#), PubMed:[25521717](#)).

Cellular Location

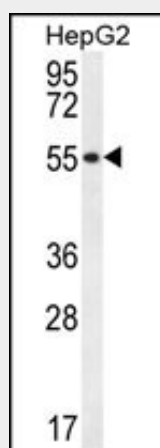
Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:Q5PQX0}; Single-pass type II membrane protein

UXS1 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](#)

UXS1 Antibody (C-term) - Images



UXS1 Antibody (C-term) (Cat. #AP13077b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the UXS1 antibody detected the UXS1 protein (arrow).

UXS1 Antibody (C-term) - Background

UDP-glucuronate decarboxylase (UGD; EC 4.1.1.35) catalyzes the formation of UDP-xylose from UDP-glucuronate. UDP-xylose is then used to initiate glycosaminoglycan biosynthesis on the core protein of proteoglycans.

UXS1 Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) :
Bakker, H., et al. J. Biol. Chem. 284(4):2576-2583(2009)