

Rabbit anti-Human UXS1 Polyclonal Antibody | anti-UXS1 antibody

Anti-UXS1 Antibody, Rabbit Polyclonal

CATALOG # AAA258951	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

UXS1; Polyclonal Antibody; Anti-UXS1 Antibody; Rabbit Polyclonal; UDP-glucuronate decarboxylase 1; Anti-SDR6E1 Antibody; Anti-UGD Antibody; anti-UXS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UXS1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-UXS1 antibody	IHC (Immunohistochemistry)
Immunogen	E coli-derived Human UXS1 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human UXS1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human UXS1 in human muscle with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human UXS1 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-UXS1 antibody

UXS1 (UDP-Glucuronate Decarboxylase 1) is a Protein Coding gene. The UXS1 gene, located on 2q12.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. UXS1 belongs to the UDP-glucuronic acid decarboxylase subfamily and is strongly conserved from bacteria to humans. 3 alternatively spliced human isoforms have been reported. This gene encodes an enzyme found in the perinuclear Golgi which catalyzes the synthesis of UDP-xylose used in glycosaminoglycan (GAG) synthesis on proteoglycans. UXS1 is widely expressed in the kidney, placenta, and other tissues. Diseases associated with UXS1 include Optic Atrophy 10 With Or Without Ataxia, Mental Retardation, And Seizures, and Walker-Warburg Syndrome.

References

Walsh RM, Jr., et al. (2015) Man o' war mutation in udp-alpha-d-xylose synthase favors the abortive catalytic cycle and uncovers a latent potential for hexamer formation. *Biochemistry* 54 (3): 807-819. Polizzi SJ, et al. (2012) Human udp-alpha-d-xylose synthase and escherichia coli arnA conserve a conformational shunt that controls whether xylose or 4-keto-xylose is produced. *Biochemistry* 51 (44): 8844-8855. Eames BF, et al. (2010) Udp xylose synthase 1 is required for morphogenesis and histogenesis of the craniofacial skeleton. *Dev Biol* 341 (2): 400-415.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/uxs1-antibody-immunohistochemistry-elisa/258951>