

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

Anti-CUTC Antibody, Rabbit Polyclonal

CATALOG # AAA259446	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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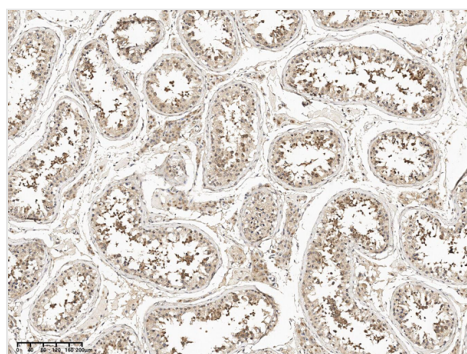
PRODUCT SYNONYMS

CUTC; Polyclonal Antibody; Anti-CUTC Antibody; Rabbit Polyclonal; CUTC Antibody; Rabbit PAb; Antigen Affinity Purified; cutC copper transporter; Anti-CGI-32 Antibody; anti-CUTC antibody

PRODUCT SPECIFICATIONS

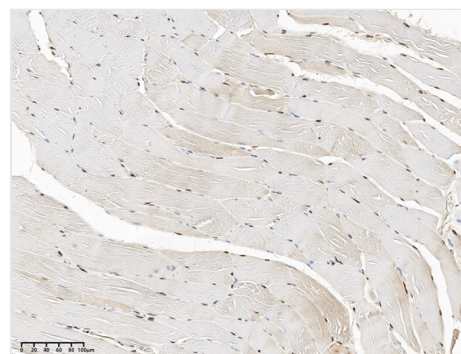
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CUTC
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CUTC antibody	IHC (Immunohistochemistry)
Immunogen	E coli-derived Human CUTC fragment
Preparation	Produced in rabbits immunized with E coli-derived Human CUTC fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CUTC antibody	Copper homeostasis protein cutC homolog, also known as CGI-32 and CUTC, is a cytoplasm and nucleus protein which belongs to theCutC family. CUTC may play a role in copper homeostasis. It can bind one Cu1+per subunit. Copper is an essential trace element to life and particularly plays a pivotal role in the physiology of aerobic organisms. Copper is a micronutrient that is required for proper metabolic functioning of most prokaryotic and eukaryotic organisms. To sustain an adequate supply of copper, a cell requires molecular mechanisms that control the metal content to avoid copper toxicity. This toxicity comes primarily from the reactivity of copper, which can lead to the generation of free radicals. In bacteria, two independent systems are responsible for maintaining the balance of copper within the cells (Cop and Cut family proteins). The Cut protein family is associated with copper homeostasis and involved in uptake, storage, delivery, and efflux of copper. CutC is a member of the Cut family and is suggested to be involved in efflux trafficking of cuprous ion. CutC is able to respond transcriptionally to copper and to participate in the control of copper homeostasis in E. faecalis.
References	La. C.-H.. e. al.. 2000. Genom. Res.10:703-713. L. J.. e. al.. 2005. Biochem. Biophys. Res. Commun. 337:179-183. Li,Y.e. al.. 2010,. Struc. Biol. 169(3):399-405. Burkar. T.R.. e. al.. 2011. BM. Syst. Biol. 5:17-17.

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cutc-antibody-immunohistochemistry-elisa/259446>