Datasheet for ABIN2812065

anti-CUTC antibody (AA 201-273) (AbBy Fluor® 594)

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Overview

Quantity:	100 µL
Target:	CUTC
Binding Specificity:	AA 201-273
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CUTC antibody is conjugated to AbBy Fluor® 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CUTC
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	CUTC
Alternative Name:	CUTC (CUTC Products)
Background:	Synonyms: CGI 32, CGI32, Copper homeostasis protein cutC homolog, cutC, CutC copper

Target Details

	transporter homolog E. coli, CUTC_HUMAN, RP11-483F11.3. Background: Copper is an essential micronutrient used as a co-factor for several essential enzymes in all living organisms. Due to the high toxicity of copper, its metabolism is tightly regulated and defects in this regulation can cause Menkes (deficiency) or Wilson (accumulation) disease in various tissue. CUTC (cutC copper transporter homolog (E. coli)), also known as CGI-32, is a 273 amino acid protein belonging to the cutC family. CUTC is involved in copper homeostasis and is encoded by a gene located on human chromosome 10, which contains over 800 genes and 135 million nucleotides. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. Other chromosome 10 associated disorders include Cockayne syndrome, tetrahydrobiopterin deficiency and trisomy 10.
Gene ID:	51076
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date:	12 months