

**CUTC Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16821c****Specification**

---

**CUTC Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NTM9</a>
Other Accession	<a href="#">O9D8X1</a> , <a href="#">NP_057044.2</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29341
Antigen Region	67-94

**CUTC Antibody (Center) - Additional Information****Gene ID** 51076**Other Names**

Copper homeostasis protein cutC homolog, CUTC

**Target/Specificity**

This CUTC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-94 amino acids from the Central region of human CUTC.

**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**

CUTC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**CUTC Antibody (Center) - Protein Information****Name** CUTC**Function** May play a role in copper homeostasis. Can bind one Cu(1+) per subunit.

**Cellular Location**

Cytoplasm. Nucleus. Note=The overexpressed protein is detected in the cytoplasm, and depending on the cell line, also in the nucleus

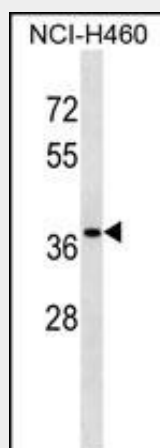
**Tissue Location**

Ubiquitous..

**CUTC Antibody (Center) - 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](#)

**CUTC Antibody (Center) - Images**

CUTC Antibody (Center) (Cat. #AP16821c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CUTC antibody detected the CUTC protein (arrow).

**CUTC Antibody (Center) - Background**

Members of the CUT family of copper transporters are associated with copper homeostasis and are involved in the uptake, storage, delivery, and efflux of copper (Gupta et al., 1995 [PubMed 7635807]; Li et al., 2005 [PubMed 16182249]).

**CUTC Antibody (Center) - References**

- Li, Y., et al. J. Struct. Biol. 169(3):399-405(2010)  
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)  
Li, J., et al. Biochem. Biophys. Res. Commun. 337(1):179-183(2005)  
Andersen, J.S., et al. Nature 433(7021):77-83(2005)  
Gupta, S.D., et al. J. Bacteriol. 177(15):4207-4215(1995)