

## **CUTC Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16821c

## **Specification**

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

Application WB,E
Primary Accession O9NTM9

Other Accession Q9D8X1, NP 057044.2

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region

Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
Carrent
Car

# **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

E~~Use at an assay dependent concentration.

#### **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

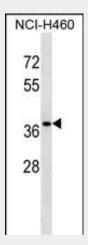
Tissue Location Ubiquitous..

## **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 Cytomety
- Cell Culture

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



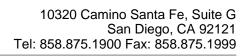
CUTC Antibody (Center) (Cat. #AP16821c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CUTC antibody detected the CUTC protein (arrow).

## **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)