# CUEDC1 (h): 293T Lysate: sc-116626



The Power to Question

### **BACKGROUND**

The coupling of ubiquitin conjugation to endoplasmic reticulum (ER) degradation (CUE) domain functions as a ubiquitin (UB) binding domain that is approximately 40 amino acids in length. Present in eukaryotic proteins that are involved in ubiquitination and protein trafficking pathways, CUE domains can bind monoubiquitin and may be required for ubiquitination of the proteins in which they are found. CUEDC1 (CUE domain-containing protein 1) is a 386 amino acid protein that contains one CUE domain, suggesting a possible role in protein trafficking and degradation pathways. Defects in the gene encoding CUEDC1 may be associated with early stage cervical cancer, implicating CUEDC1 as a potential tumor marker. Two isoforms of CUEDC1 exist due to alternative splicing events.

#### **REFERENCES**

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### **CHROMOSOMAL LOCATION**

Genetic locus: CUEDC1 (human) mapping to 17g22.

## **PRODUCT**

CUEDC1 (h): 293T Lysate represents a lysate of human CUEDC1 transfected 293T cells and is provided as 100  $\mu g$  protein in 200  $\mu l$  SDS-PAGE buffer.

## **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

#### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

### **APPLICATIONS**

CUEDC1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CUEDC1 antibodies. Recommended use:  $10-20~\mu l$  per lane

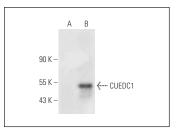
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CUEDC1 (G-4): sc-393828 is recommended as a positive control antibody for Western Blot analysis of enhanced human CUEDC1 expression in CUEDC1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

#### DATA



CUEDC1 (G-4): sc-393828. Western blot analysis of CUEDC1 expression in non-transfected: sc-117752 (A) and human CUEDC1 transfected: sc-116626 (B) 293T whole cell Ivsates.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.