

CUEDC1 (V-24): sc-101927

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* (mouse) mapping to 11 C.

SOURCE

CUEDC1 (V-24) is a purified rabbit polyclonal antibody raised against CUEDC1 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

CUEDC1 (V-24) is recommended for detection of CUEDC1 of mouse, rat, human and dog origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CUEDC1 siRNA (h): sc-94032, CUEDC1 siRNA (m): sc-142633, CUEDC1 shRNA Plasmid (h): sc-94032-SH, CUEDC1 shRNA Plasmid (m): sc-142633-SH, CUEDC1 shRNA (h) Lentiviral Particles: sc-94032-V and CUEDC1 shRNA (m) Lentiviral Particles: sc-142633-V.

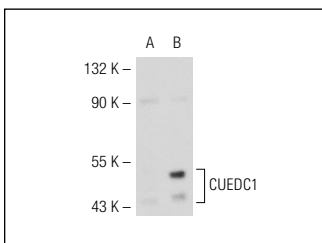
Molecular Weight of CUEDC1: 42 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, CUEDC1 (m): 293T Lysate: sc-125185 or CUEDC1 (h): 293 Lysate: sc-116626.

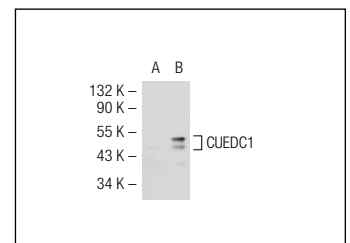
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

DATA



CUEDC1 (V-24): sc-101927. Western blot analysis of CUEDC1 expression in non-transfected: sc-117752 (A) and mouse CUEDC1 transfected: sc-125185 (B) 293T whole cell lysates.



CUEDC1 (V-24): sc-101927. Western blot analysis of CUEDC1 expression in non-transfected: sc-117752 (A) and human CUEDC1 transfected: sc-116626 (B) 293T whole cell lysates.

RESEARCH USE

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



Try **CUEDC1 (G-4): sc-393828**, our highly recommended monoclonal alternative to CUEDC1 (V-24).