

KCTD10 (H-24): sc-133704

BACKGROUND

The BTB (Broad-Complex, Tramtrack and Bric-a-brac) domain, also known as the POZ (POxvirus and Zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C₂H₂-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. KCTD10 (potassium channel tetramerisation domain containing 10), also known as ULR061 or MSTP028, is a 313 amino acid protein that contains one BTB domain and is highly expressed in lung and moderately expressed in heart and testis. KCTD10 interacts with proliferating cell nuclear antigen (PCNA) and the small subunit of polymerase δ and plays a role in DNA repair, DNA replication and cell-cycle control. KCTD10 expression is regulated by SP1 and AP-2 α .

REFERENCES

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: KCTD10 (human) mapping to 12q24.11.

SOURCE

KCTD10 (H-24) is a Protein A purified rabbit polyclonal antibody raised against synthetic KCTD10 peptide of human origin.

PRODUCT

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

APPLICATIONS

KCTD10 (H-24) is recommended for detection of KCTD10 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

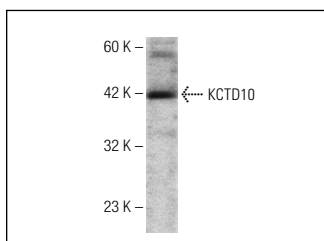
Suitable for use as control antibody for KCTD10 siRNA (h): sc-95987, KCTD10 shRNA Plasmid (h): sc-95987-SH and KCTD10 shRNA (h) Lentiviral Particles: sc-95987-V.

Molecular Weight of KCTD10: 35/33/18 kDa.

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. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



KCTD10 (H-24): sc-133704. Western blot analysis of KCTD10 expression in Jurkat whole cell lysate.

RESEARCH USE

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

PROTOCOLS

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