SANTA CRUZ BIOTECHNOLOGY, INC.

UIP5 (N-12): sc-85999



BACKGROUND

The U-box domain is a modified RING finger motif that has been implicated in the ubiquitin/proteasome system. The ubiquitin-conjugating enzyme 7interacting protein 5 (UIP5), also designated U-box domain-containing protein 5 or RING finger protein 37, contains one RING-type zinc finger and one U-box domain. UIP5 has been shown to interact with UBCH7, an enzyme that mediates selective degradation of abnormal proteins. The gene encoding UIP5 maps to chromosome 20, which houses over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.

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CHROMOSOMAL LOCATION

Genetic locus: UBOX5 (human) mapping to 20p13; Ubox5 (mouse) mapping to 2 F1.

SOURCE

UIP5 (N-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of UIP5 of human origin.

PRODUCT

Each vial contains 100 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85999 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

UIP5 (N-12) is recommended for detection of UIP5 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

UIP5 (N-12) is also recommended for detection of UIP5 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for UIP5 siRNA (h): sc-76807, UIP5 siRNA (m): sc-154913, UIP5 shRNA Plasmid (h): sc-76807-SH, UIP5 shRNA Plasmid (m): sc-154913-SH, UIP5 shRNA (h) Lentiviral Particles: sc-76807-V and UIP5 shRNA (m) Lentiviral Particles: sc-154913-V.

Molecular Weight of UIP5: 59 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) Immunofluo-rescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

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.