

# UIP5 (K-13): sc-85997

## BACKGROUND

The U-box domain is a modified RING finger motif that has been implicated in the ubiquitin/proteasome system. The ubiquitin-conjugating enzyme 7-interacting 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.

## REFERENCES

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## CHROMOSOMAL LOCATION

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

## SOURCE

UIP5 (K-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of UIP5 of human origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-85997 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

UIP5 (K-13) 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), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

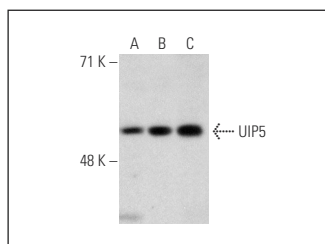
UIP5 (K-13) is also recommended for detection of UIP5 in additional species, including canine and porcine.

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.

Positive Controls: HeLa nuclear extract: sc-2120, Jurkat nuclear extract: sc-2132 or WEHI-231 whole cell lysate: sc-2213.

## DATA



UIP5 (K-13): sc-85997. Western blot analysis of UIP5 expression in HeLa (A), WEHI-231 (B) and Jurkat (C) nuclear extracts.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.