

UBAP1 (h3): 293T Lysate: sc-171898

BACKGROUND

Ubiquitin (Ub) is among the most phylogenetically conserved proteins known. The primary function of ubiquitin is to clear abnormal, foreign and improperly folded proteins by targeting them for degradation by the 26S proteasome. Encoded by four genes, ubiquitin is synthesized as precursor proteins that consist of either single ubiquitin moieties fused 5' to unrelated carboxyl extension proteins, known as UBA type, or polyubiquitin chains that are cleaved into moieties of the UBB or UBC types. As a member of the UBA (ubiquitin-associated) domain family, UBAP1 (ubiquitin-associated protein 1), also known as NAG20 (nasopharyngeal carcinoma-associated gene 20 protein), is a 502 amino acid protein that is encoded by a gene that maps within a region on human chromosome 9 that undergoes loss of heterozygosity in nasopharyngeal carcinoma. This suggests that the UBAP1 gene may be a tumor suppressor gene that when lost leads to malignant transformation. There are two isoforms of UBAP1 that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UBAP1 (human) mapping to 9p13.3.

PRODUCT

UBAP1 (h3): 293T Lysate represents a lysate of human UBAP1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

UBAP1 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive UBAP1 antibodies. Recommended use: 10-20 µl per lane.

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

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.

RESEARCH USE

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

PROTOCOLS

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