

CCP5 (h2): 293T Lysate: sc-369147

BACKGROUND

CCP5 (cytosolic carboxypeptidase-like protein 5), also known as AGBL5 (ATP/GTP binding protein-like 5), is an 886 amino acid protein that localizes to both the cytoplasm and the nucleus and is expressed predominately in brain tissue. Three isoforms of CCP5 exist due to alternative splicing events. The gene encoding CCP5 maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Additionally, an extremely rare recessive genetic disorder, Alstrom syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: AGBL5 (human) mapping to 2p23.3.

PRODUCT

CCP5 (h2): 293T Lysate represents a lysate of human CCP5 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

CCP5 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive CCP5 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.

PROTOCOLS

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