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CaMKII γ (h): 293T Lysate: sc-170070

BACKGROUND

Ca²⁺/calmodulin-dependent protein kinase II (CaMKII) is a Ca²⁺-signaling intermediate that contains α , β , γ and δ subunits. Calcium oscillations, autophosphorylation and subunit composition of CaMKII influences the level of regulation of cellular events, including cell cycle and transcription. Several CaMKII γ protein isoforms are present in biliary epithelium.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CAMK2G (human) mapping to 10q22.2.

PRODUCT

CaMKII (h): 293T Lysate represents a lysate of human CaMKII transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

CaMKII (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CaMKII antibodies. Recommended use: 10-20 μ l 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.