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GC kinase (h): 293T Lysate: sc-116216

BACKGROUND

Several mammalian kinases have been identified with sequence similarity to the *Saccharomyces cerevisiae* serine/threonine kinase Ste20. Ste20 is involved in relaying signals from G protein-coupled receptors to cytosolic MAP kinase cascades, and it lies upstream of a MAP kinase kinase kinase. Mammalian Ste20-like kinases include human GC kinase (also called mouse Rab8ip), HPK1, KHS, GLK, NIK, YSK1, Krs-1 and Krs-2. GC kinase is a protein originally cloned from germinal center B lymphocytes. This serine/threonine kinase phosphorylates casein and myelin basic protein, and has been shown to activate the SAPK/JNK kinase cascade.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MAP4K2 (human) mapping to 11q13.1.

PRODUCT

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

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.

APPLICATIONS

GC kinase (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive GC kinase 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.

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.