



PHF15 (h): 293T Lysate: sc-370192

BACKGROUND

PHF15 (PHD finger protein 15), also known as JADE2, is a 790 amino acid protein that contains two mid-molecule tandem plant homology domain (PHD) zinc fingers and belongs to the JADE family. Encoded by a gene that maps to human chromosome 5q31.1, PHF15 exists as three alternatively spliced isoforms. Endogenous JADE proteins, including Jade-1, PHF15 and PHF16, copurify with the HBO1 complex, along with either of the individual PHD zinc finger proteins ING4 or ING5. The complex exhibits Histone H4-specific acetyltransferase activity, reduced activity toward Histone H3 and is responsible for the bulk of Histone H4 acetylation *in vivo*. PHF15 shares homology with the developmental patterning regulator of Jade-1, suggesting that PHF15 plays a role in developmental modulation of midline neural structures. Downregulation of PHF15 is also linked to melatonin function in human peripheral blood mono-nuclear cells.

REFERENCES

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4. Foy, R.L., et al. 2008. Role of Jade-1 in the histone acetyltransferase (HAT) HBO1 complex. *J. Biol. Chem.* 283: 28817-28826.
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6. Terrier, B., et al. 2010. Antifibroblast antibodies from systemic sclerosis patients bind to α -enolase and are associated with interstitial lung disease. *Ann. Rheum. Dis.* 69: 428-433.
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CHROMOSOMAL LOCATION

Genetic locus: JADE2 (human) mapping to 5q31.1.

PRODUCT

PHF15 (h): 293T Lysate represents a lysate of human PHF15 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.

RESEARCH USE

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

APPLICATIONS

PHF15 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive PHF15 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.

PROTOCOLS

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