



ASXL2 (h): 293T Lysate: sc-374684

BACKGROUND

ASXL2 (additional sex combs-like protein 2) is a 1,435 amino acid protein belonging to the Asx family. ASXL2 contains one PHD-type zinc finger and two Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs, which may be required for an association with nuclear receptors. ASXL2 is believed to be a Polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development. PcG proteins are not required to initiate repression, but to maintain it during later stages of development. They probably act via methylation of histones, rendering chromatin heritably changed in its expressibility. ASXL2 is localized to the nucleus and is expressed as two isoforms produced by alternative splicing.

REFERENCES

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4. Katoh, M. and Katoh, M. 2004. Identification and characterization of human CXXC10 gene in silico. *Int. J. Oncol.* 25: 1193-1199.
5. Fisher, C.L., Randazzo, F., Humphries, R.K. and Brock, H.W. 2006. Characterization of Asxl1, a murine homolog of additional sex combs, and analysis of the Asx-like gene family. *Gene* 369: 109-118.
6. Cho, Y.S., Kim, E.J., Park, U.H., Sin, H.S. and Um, S.J. 2006. Additional sex comb-like 1 (ASXL1), in cooperation with SRC-1, acts as a ligand-dependent coactivator for retinoic acid receptor. *J. Biol. Chem.* 281: 17588-17598.

CHROMOSOMAL LOCATION

Genetic locus: ASXL2 (human) mapping to 2p23.3.

PRODUCT

ASXL2 (h): 293T Lysate represents a lysate of human ASXL2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ASXL2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ASXL2 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.