Role of LIM Domain Only 1 in Cancer

LIM domain only 1 (LMO1) gene encodes transcriptional cofactors (COF) that play important oncogenic roles.

What are the salient features of LMO1 COF from oncogenicity to clinical applications?

LMO1 COF acts through its DNA-binding proteins (DNAbp), thus leading to extensive interactome and transcriptome.

LMO1 COF tissue-specific expression pattern mediated by DNAbp leads to tumorigenesis through single nucleotide polymorphisms.

LMO1 overexpression results in poor patient prognosis in different cancers.

LMO1 COF targeted therapy as potential treatment.

While the oncogenic role of LMO1 transcription cofactors is evident, further research is required to establish their practical applications.

LIM domain only 1: an oncogenic transcription cofactor contributing to the tumorigenesis of multiple cancer types
Zhao et al. (2021) | Chinese Medical Journal
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