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Meta-analysis of RAG2 using a genotranscriptomic/proteomic approach: Suggestive of its oncogenic role

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Epigenetic modifications are implicated in various intracellular changes that altogether result in regulation of proteinic content within the cells. These epigenetic modifications are exerted mostly by epigenetic complexes such as PRC2 and ASCOM which their misregulation is implicated in development of different diseases including cancer. Herein a genotranscriptomic/proteomic meta-analysis is done using different databases such as COSMIC, cBioPortal and The Human Protein Atlas to investigate the oncogenic role of RAG2, a component of ASCOM complex. In addition, the similarities between mutation distribution of RAG2 and JARID2, a component of PRC2 and also between their over/under expression may be suggestive of the association between PRC2 and ASCOM.

Biography

Abbas Salavaty completed his diploma in biology (2011) from Shahid Beheshti High School and is a Graduate of the Shahid Chamran University of Ahvaz (spring 2015). He is the reviewer of *MedCrave Online Journal of Proteomics* and *Bioinformatics* and also *E-Cronicon Cancer journal (ECCA)*. He has an accepted article for publication in *Cancer Biology & Medicine Journal*. Also, he has two completed bioinformatic research projects ready for submission to high ranked journals which were supported by Shahid Chamran University of Ahvaz. He participated in Bioinformatics Workshop at Shahid Chamran University of Ahvaz (2014) and is now Research Fellow (bioinformatician) at Al-Zahra Medical Genetics Laboratory.

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