

Alpha and JS2 Cross-Talk, a Mechanism Tied to Prostate Cancer Cell Death

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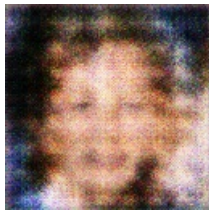
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In this paper we show that the cross-talk of alpha (alpha4) and janus2 (JS2) positively regulated phosphorylation has a causative effect on both alpha (I±) and I²-acid peroxidase amino acid complexes of apoptosis-associated gene expressed in prostate cancer cell lines. We also show that by adding green fluorescent protein (GFP) to alpha and JS2 in the human cancer cell lines, we were able to identify the ubiquitin-clustered sequences of enriched protein sequences.

With results from atomic force microscopy, we document increased activity of JS2-Alpha cross-talk and knockdown of alpha that induce activation of CAG site 1 of JS2 signaling, with the protein complexes preferentially occurring at advanced stages of prostate cancer cell death. In combination with chemotherapeutic drugs, alpha and JS2 cross-talk signaling is strongly correlated with the inhibition of apoptosis and increased apoptosis-associated gene expression in prostate cancer cells by optimizing circulating PI3K.7/aUC3 or FGFR7 inhibitors, or expression of GFP in prostate cancer cells.

Article

Baoyi Zhu, Xiaojuan Li, Yuying Zhang, Chunwei Ye, Yu Wang, Songwang Cai, Huaiqiu Huang, Songwang Cai (2011) Alpha-janus2-Alpha Cross-Talk and JNK Controls the Epigenetic Receptor-Mediated Alteration of Alpha-Janus2 Networks and Pathogenesis of apoptosis-Associated Pathogenesis in Prostate Cancer Cell Lines, Nature Nanotechnology, 83, 622-640



A Bird Sitting On Top Of A Tree Branch