

# Publication Question Answering System

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Atf3 is a transcriptional activator that binds to the cAMP-responsive element (Cre). Interaction with Jun redirects Jun to bind to Cres preferentially over the 12-Otetradecanoylphorbol-13-acetate response elements (Tres) as part of an Atf2-c-Jun complex (487 aa). However, human study did not show strong support for the association between ATF2 and alcoholism.

Ask...

What is the role of Atf3 on the brain?

Reference #1 -- 2013 -Critical evaluation of transcription factor Atf2 as a candidate modulator of alcohol preference in mouse and human populations

The expression levels of the other three candidates were similar to those in the B6 strain. B. Atp5g3 expression level was increased significantly in the ISCRS 21 strain. NIH-PA Author Manuscript Genet Mol Res. Author manuscript; available in PMC 2014 July 23. Wang et al. Page 14 NIH-PA Author

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