Ketamine ameliorates depressive-like behaviors by tPA-mediated conversion of proBDNF to mBDNF in the hippocampus of stressed rats

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PII: S0165-1781(17)32188-1
DOI: https://doi.org/10.1016/j.psychres.2018.08.075
Reference: PSY 11669

To appear in: *Psychiatry Research*

Received date: 29 November 2017
Revised date: 26 July 2018
Accepted date: 17 August 2018

Please cite this article as: Fan Zhang , Jie Luo , Xianlin Zhu , Ketamine ameliorates depressive-like behaviors by tPA-mediated conversion of proBDNF to mBDNF in the hippocampus of stressed rats, *Psychiatry Research* (2018), doi: https://doi.org/10.1016/j.psychres.2018.08.075

Highlights

- The new evidence of ketamine ameliorates the depressive-like behaviors in stressed rats.
- proBDNF/mBDNF ratio provide novel perspectives and potential targets for the development of effective therapeutic intervention for depression.
- The potential antidepressant mechanism of ketamine likely occurs through activating the tPA-BDNF pathway to produce protective effects.