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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brain Region |  | NR1 | NR2A | NR2B | NR2C/D | PSD95/93 | SAP102/97 | NRG1/ErbB4 | References |
| Prefrontal Cortex | mRNA | Pan probe: ↑1 ↓4  No Change2 | No Change1,2  ↓4 | No Change1,2,4 | 2C: ↓2,4 (layers I-VI)  No Change5  2D: ↑2  No Change2,4,5 (layers I-VI) | 95: No Change1,4,5  ↓16 (BA9)  93: No Change5 | 102:No Change4,5 | NRG1: ↑22 (Type 1)  ErbB4: ↑23 (CYT1 and JMa) |  |
|  | protein | No Change5 (NR1C2 or NR1C2’) | No Change5 | No Change4,5 | 2C/2D: No Change5 | 95/93: No Change5,21 | 102: No Change5,21  97: ↑20 ↓21 | NRG1: ↑25 (53kDa Cytoplasmic fraction)  ErbB4: ↑25 (180kDa Cytoplasmic fraction) |  |
| Hippocampus | mRNA | Pan probe: ↓7 (dentate gyrus)  No Change7,8,9,10  ↓10 NR1-4 (left hemisphere)  ↓10 NR1-2 (right hemisphere) | No Change7,8,9 | ↑7 (CA2)  No Change7,8,9 | 2C/2D: No Change8,9 | 95/93: No Change8 | 102: No Change8 | NRG1: ↑24 (Type 1)  ErbB4: No Change23 |  |
|  | protein | ↓10 (left hemisphere, males)  No Change18 (Dentate gyrus) |  | No Change9 |  | 95: No Change16,18,21 | 102: ↓21  97: No Change21 |  |  |
| Thalamus | mRNA | Pan probe: ↓11 (Dorsomedial and Central Medial)  No Change11,12,15  ↓13 NR1 exon22 | No Change11,12,15 | ↓11 (Central Medial)  No Change11,12  ↑15 | 2C: ↓11 (Anterior, Dorsomedial, Lateral Dorsal, Central Medial)  No Change11,12,15  2D: No Change11,12,15 | 95: ↑13  No Change12  ↓15  93: No Change13 | 102: ↑13  ↓15 |  |  |
|  | protein | Pan: No Change14 | No Change14 | ↓11 (Anterior, Dorsomedial, Central Medial)  No Change11,14  ↑14 (Dorsomedial) |  | 95: ↑14 (Dorsomedial) | 102: No Change14 |  |  |
| Cerebellum | mRNA | Pan probe: No Change2,26 | No Change2,26 | No Change2,26 | 2C: No Change2,26  2D:↑26 (right hemisphere) |  |  |  |  |
| Other cortical areas and striatum | mRNA | Pan probe: ↑1 (occipital)  No Change2,6,9 (parietotemporal, middle frontal, visual, entorhinal or perirhinal)  ↑6 NR1-1 (superior temporal) | ↑1 (occipital)  No Change2,9 (parietotemporal, entorhinal, or perirhinal) | No Change1,2,9 (occipital, parietal, parietotemporal, entorhinal or perirhinal) | No Change2,9 (parietotemporal, entorhinal, or perirhinal) | 95/93: ↑5 (anterior cingulate)  No Change19 (striatum) 95: ↑1 (occipital) | 102: ↓19 (striatum)  No Change5 (anterior cingulate) |  |  |
|  | protein | No Change3,18 (superior temporal or orbitofrontal)  ↑5 NR1C2’ (anterior cingulate)  No Change5 NR1C2 | No Change5 (anterior cingulate) | No Change5,9,17 (anterior cingulate, entorhinal, perirhinal or premotor)  ↑17 (superior temporal) | No Change5 (anterior cingulate) | 95 /93: ↓5 (anterior cingulate)  No Change18,21 (orbitofrontal or occipital) | 102/97: No Change21 (occipital) |  |  |

1. Dracheva et al., 2001, 2. Akbarian et al., 1996, 3. Nudmamud-Thanoi and Reynolds, 2004, 4. Beneyto et al., 2008, 5. Kristiansen et al., 2006, 6. Le Corre et al., 2000, 7. Gao et al., 2000, 8. McCullumsmith et al., 2007, 9. Beneyto et al., 2007, 10. Vrajova et al., 2010, 11. Ibrahim et al., 2000, 12. Dracheva et al., 2008, 13. Clinton et al., 2003, 14. Clinton et al., 2006, 15. Clinton and Meador-Woodruff, 2004, 16. Ohnuma et al., 2000, 17. Grimwood et al., 1999, 18. Toro and Deakin, 2005, 19. Kristiansen and Meador-Woodruff, 2005, 20. Hammond et al., 2010, 21. Toyooka et al., 2002, 22. Hashimoto et al., 2004, 23. Law et al., 2007, 24. Law et al., 2006, 25. Chong et al., 2008, 26. Schmitt et al., 2010.