

## Erratum to: Tonic GABAA Receptors as Potential Target for the Treatment of Temporal Lobe Epilepsy

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The original paper of this article unfortunately contains error in Table 2. Some of the data were misplaced during the publication process. With this, the correct Table 2 is hereby presented.

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**Table 2** Summary of the evidence concerning the role of subunit expression in temporal lobe epilepsy

Author	Year	Model	Species	Technique	Cell type	Decrease	Increase	Additional findings		
Boulleret	2000	SE	Mouse	IHC	DG (GC/ML)	$\alpha 5, \gamma 2$	$\gamma 2, \alpha 5, \alpha 1$	Loss of GAT-1 in CA1 and DG, not in CA3		
		KA i.c.			CA1/3					
Brooks-kayal	1998	SE	Rat	Whole cell patch clamp,	DG	$\alpha 1$ (E)	$\alpha 4, \delta$	Altered sensitivity to zolpidem and zinc Increased GAD67 expression		
		Pilocarpine		Single-cell mRNA amplification						
Drexel	2013	SE	Rat	In situ hybridization	DG	$\alpha 5, \delta$	$\alpha 4, \alpha 1$			
		KA			CA1				$\gamma 2$ (E), $\delta$	$\alpha 1$
					CA3				$\alpha 5, \gamma 2$ (E)	
Fritschy	1999	SE	Rat	IHC	DG	$\alpha 1$	$\alpha 3, \alpha 5$			
		Pilocarpine			(GC/ML)				CA3	$\alpha 5$
Goodkin	2008	SE Continuous hippocampal stimulation	Rat	Whole cell patch clamp (DG)				Maintenance of tonic GABA currents No reduction of $\delta$ -subunit expression		
Houser	2003	SE Pilocarpine	Rat	IHC In situ hybridization	CA1/2	$\alpha 5$				
Kamphuis	1995	Amygdala kindling	Rat	In situ hybridization	DG (GC)	$\gamma 2$ (L)	$\alpha 1/2/4$ (E), $\gamma 2$ (E)			
Lee	2013	SE pilocarpine	Rat	Whole cell patch (DG) 2-3 weeks after status epilepticus				Increase tonic inhibition in GC in DG		
Loup	2000	Human	Human, hippocampal sclerosis	IHC	DG GC ML		$\alpha 1, \gamma 2$ $\alpha 2$			
Naylor	2005	SE Pilocarpine	Rat	Whole cell patch clamp (DG)				Increase in tonic GABA <sub>A</sub> R mediated currents one hour after SE		
Nishimura	2005	SE	Rat	In situ hybridization	DG (GC)	$\alpha 5$ (E/L), $\delta$ (E/L)	$\gamma 2$ (E)			
		Hippocampal kindling			CA1				$\alpha 5$ (E/L)	
		Self-sustained limbic status epilepticus			CA3				$\alpha 5$ (E/L), $\gamma 2$ (E)	

DG hippocampal dentate gyrus, E early, GC granular cell, i.c. intracerebral, IHC immunohistochemistry, IN interneuron, KA kainic acid, ML molecular layer

<b>Peng</b>	2004	SE Pilocarpine	Mouse	IHC	DG (ML) DG (IN)	$\delta$	$\delta$	
<b>Rajasekeran</b>	2010	SE Continuous hippocampal stimulation	Rat	Patch-clamp Western blot	DG	$\delta$	$\alpha 4$	Tonic currents are maintained in DG cells post-SE by $\alpha 4\gamma 2$ receptors  Reduced neurosteroid (allopregnanolone, L655708) sensitivity in epileptic DGC  Retention of $\delta$ -subunit in ER
<b>Scimemi</b>	2005	SE Pilocarpine/KA	Rat	Whole cell patch clamp CA1 IHC	CA1/3	$\alpha 5$		Maintenance of tonic GABA currents
<b>Schwarzer</b>	1997	SE KA	Rat	IHC	DG (ML)	$\alpha 2, \delta$ (E)	$\alpha 1/2/4/5, \delta, \gamma 2$ (L)	
<b>Sun</b>	2013	i.c. injection	CTZ Rat	Cell culture Whole cell patch clamp in cultured hippocampal neurons overexpressing $\alpha 5\beta 3\gamma 2$ and $\alpha 6\beta 3\delta$ Field potentials <i>in vivo</i>				Overexpression $\alpha 5\beta 3\gamma 2$ and $\alpha 6\beta 3\delta$ resulted in enhanced tonic inhibition and reduced epileptiform activity <i>in vitro</i>  THIP (5 $\mu$ M) suppressed epileptiform burst activity and behavioral seizures
<b>Tsunashima</b>	1997	SE KA	Rat	In situ hybridization	DG (GC) CA1 CA3	$\alpha 5, \gamma 2$ (E) $\delta$ (L) $\alpha 5, \gamma 2$ (L) $\alpha 5, \gamma 2$		
<b>Zhan</b>	2009	SE Pilocarpine	Rat Mouse	Whole cell patch clamp (DG)				Increase in tonic signaling  Tonic currents are maintained by $\alpha 4\beta x\delta$ and $\alpha 5\beta x\gamma$
<b>Zhang</b>	2007	SE Pilocarpine	Mouse	Immunogold-electronmicroscopy Whole cell patch clamp	DG (GC)	$\delta$		Shift of $\gamma 2$ towards perisynaptic location  Magnitude of tonic GABA currents maintained

Table 2 (continued)