Materials List for

Use of Primary Cultured Hippocampal Neurons to Study the Assembly of Axon Initial Segments

Rui Yang[1,2,3], **Vann Bennett**[2,3]

[1]School of Basic Medical Sciences, Xi'an Jiaotong University [2]Department of Cell Biology, Duke University [3]Department of Biochemistry, Duke University

Corresponding Author

Rui Yang
rui.yang@xjtu.edu.cn

Citation

Yang, R., Bennett, V. Use of Primary Cultured Hippocampal Neurons to Study the Assembly of Axon Initial Segments. *J. Vis. Exp.* (), e61411, doi:10.3791/61411 (2021).

Date Published

February 12, 2021

DOI

10.3791/61411

URL

jove.com/video/61411

Materials

Name	Company	Catalog Number	Comments
10xHBSS	Thermo Fisher Scientific	14065-056	
18mm coverglass (1.5D)	Fisher Scientific	12-545-84-1D	
190kDa ankyrin-G-GFP	Addgene	#31059	
2.5% Tripsin without phenol red	Thermo Fisher Scientific	14065-056	
480kDa ankyrin-G-GFP	lab made	Provide upon request	
ANK3-E22/23$^{f/f}$ mice	JAX	Stock No: 029797	B6.129-Ank3tm2.1Bnt/J;
B27 serum-free supplement	Thermo Fisher Scientific	A3582801	
Boric acid	Sigma-Aldrich	B6768	
Cell strainer with 70-mm mesh	BD Biosciences	352350	
Ceramic coverslip-staining rack	Thomas Scientific	8542E40	
Cre-BFP	Addgene	#128174	
D-Glucose	Sigma-Aldrich	G7021	
DMEM	Thermo Fisher Scientific	11995073	
GlutaMAX-I supplement	Thermo Fisher Scientific	A1286001	
Lipofectamine 2000	Thermo Fisher Scientific	11668030	
MEM with Earle's salts and L-glutamine	Thermo Fisher Scientific	11095-080	
Neurobasal Medium	Thermo Fisher Scientific	21103-049	
Nitric acid 70%	Sigma-Aldrich	225711	
Opti-MEM I Reduced Serum Medium	Thermo Fisher Scientific	31985062	
Paraformaldehyde	Sigma-Aldrich	P6148	
Penicillin-streptomycin	Thermo Fisher Scientific	15140122	
Poly-L-lysine hydrochloride	Sigma-Aldrich	26124-78-7	
Potassium hydroxide	Sigma-Aldrich	1310-58-3	

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