

Collection of Murine Cerebella for Western Blot  
NDJ 6.22.04 v.1

1. Take labeled gel-slick tubes, caps, liquid nitrogen, tongs, dissection tools to mouse procedure room.
2. Put mice down with carbon dioxide one at a time. Quickly remove cerebellum and half. Place into halves into separate tube. Put cap on and drop into liquid nitrogen.
3. Take cerebellum half to be used for WB and put on ice. Add 600ul of brain extraction buffer to cerebella.

<b>Brain Extraction Buffer (10ml)</b>	
2.5ml	Tris-HCl pH 7.5
7.5ml	H <sub>2</sub> O
100ul	Phospho inh I
100ul	Phospho inh II
1 tablet	Protease inh

4. Homogenize cerebella and place in liquid nitrogen.
5. 3X free thaw 37°C/liquid nitrogen
6. Centrifuge 60s 2500rpm 4°C.
7. Transfer supernatant to new gel-slick microfuge tube
8. Bradford sample. See Bradford protocol.
9. Adjust concentration to load equal concentrations.