

Supplementary Materials

Table S1. List of antibodies used in this study. IHF: Immunohistofluorescence, WB: Western Blotting.

| Antibody | Manufacturer | Catalog Number | Species | Monoclonal or polyclonal | Use | Dilution |
|--|----------------|----------------|---------|--------------------------|-----|----------|
| Synaptophysin | DAKO | A 0010 | Rabbit | Pc | IHF | 1:100 |
| Neurofilament 200 KDa | Millipore | CBL212 | Mouse | Mc | IHF | 1:100 |
| IBA1 | Abcam | ab5076 | Goat | Pc | IHF | 1:100 |
| Phospho p38 (Thr180/Tyr182) | Cell Signaling | 9211 | Rabbit | Pc | WB | 1:1000 |
| Phospho AKT (Ser473) | Cell Signaling | 9271 | Rabbit | Pc | WB | 1:1000 |
| Phospho-p44/42 MAPK (ERK1/2) (Thr202/Tyr204) | Cell Signaling | 9101 | Rabbit | Pc | WB | 1:1000 |
| Phospho-SAPK/JNK (Thr183/Tyr185) | Cell Signaling | 4668 | Rabbit | Pc | WB | 1:1000 |
| PI3K | In-house | - | Rabbit | Pc | WB | 1:10000 |
| p38 α | Santa Cruz | sc-535 | Rabbit | Pc | WB | 1:4000 |
| AKT1/2 | Santa Cruz | sc-1619 | Goat | Pc | WB | 1:1000 |
| p44/42 MAPK (ERK1/2) | Cell Signaling | 9102 | Rabbit | Pc | WB | 1:1000 |
| SAPK/JNK | Cell Signaling | 9252 | Rabbit | Pc | WB | 1:1000 |

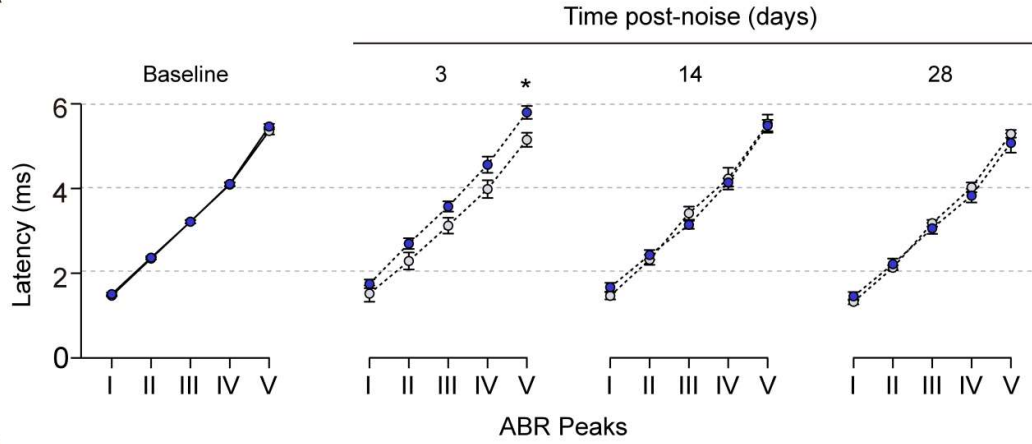
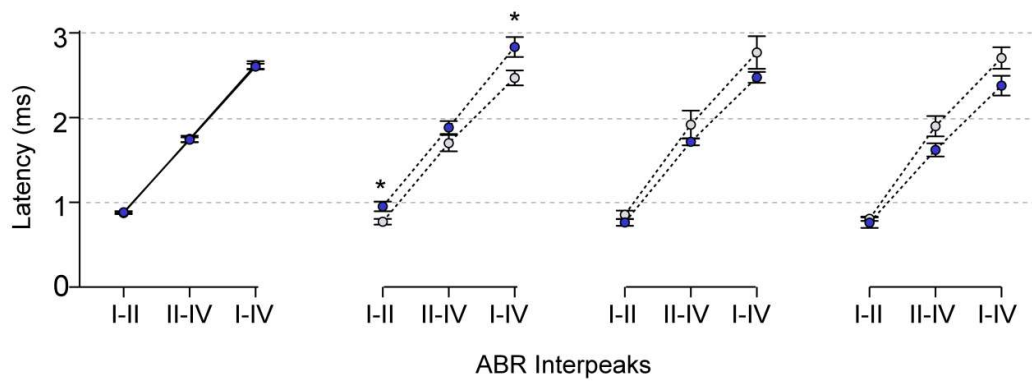
A**B**

Figure S1. ABR latencies. ABR peaks I to V latencies (A) and interpeak latencies (B) (mean \pm SEM) after click stimulation in *Igf1*^{+/+} (n=9) and WT (n=7) mice before and 3, 14 and 28 days after noise exposure. Statistically significant differences were evaluated by Student's t-test (*p<0.05 between genotypes).