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## SUPPLEMENTARY INFORMATION

### Non-invasive *in vivo* assessment of *IDH1* mutational status in glioma

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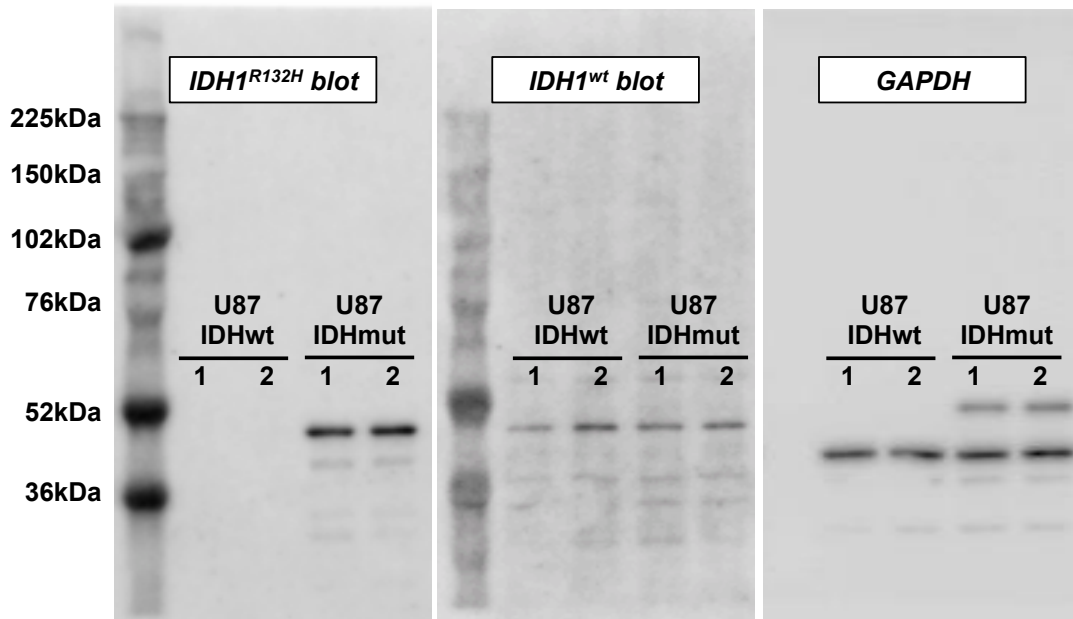
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1 | **Supplementary Figures:**



2 **Supplementary Figure S1 – Western-blotting confirms the presence of mutant**  
3 **IDH1<sup>R132H</sup> enzyme in U87IDHmut cells only.** Western-blotting for mutant IDH1  
4 (IDH1<sup>R132H</sup>, probed using a secondary anti-mouse antibody at  $\lambda=680\text{nm}$ , 46kDa, left) and  
5 wild-type IDH1 (IDH1wt, probed using a secondary anti-rabbit antibody at  $\lambda=800\text{nm}$ ,  
6 46kDa, middle) isoforms in U87IDHmut and U87IDHwt cells (n=2 per cell line per blot).  
7 GAPDH was used as a loading control (probed using a secondary anti-mouse antibody at  
8  $\lambda=680\text{nm}$ , 38kDa, n=2 per cell line per blot, right).

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