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**Supplemental Data**

***Tuba8* Is Expressed at Low  
Levels in the Developing  
Mouse and Human Brain**

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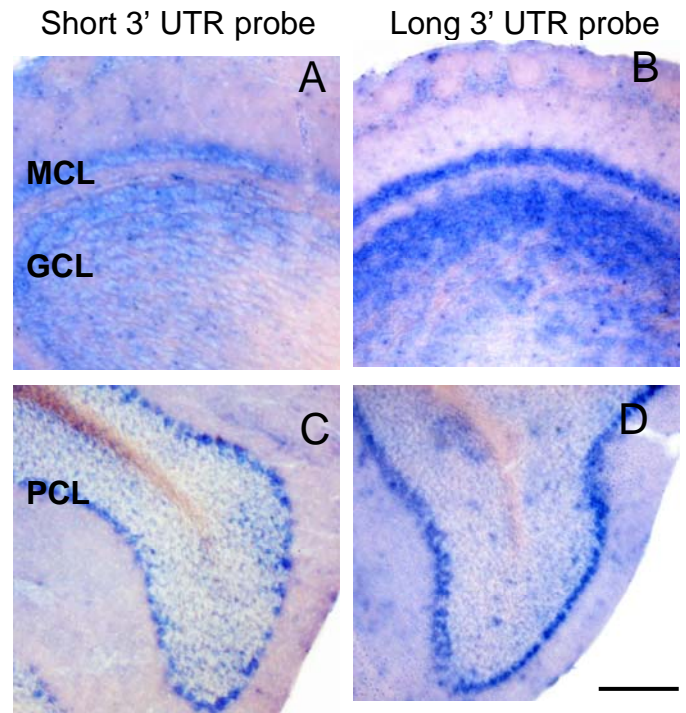
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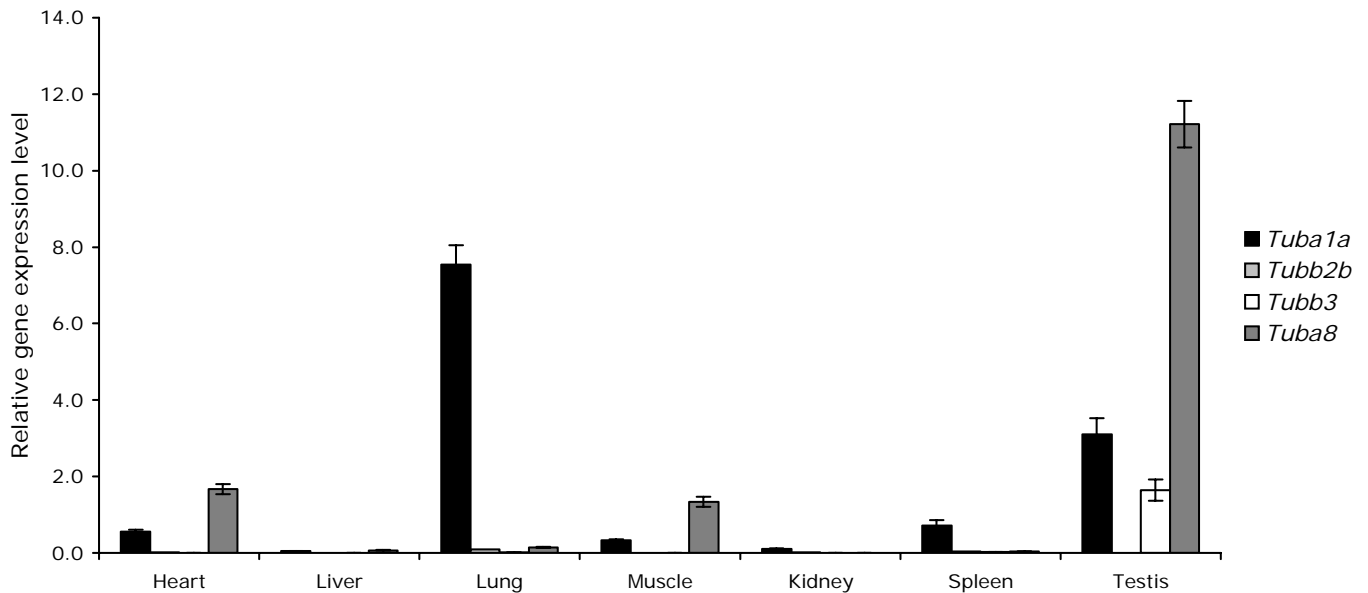
**Figure S1:** *Tuba8* cDNA sequence (GU591980), encoding a 449 amino acid protein. Blue and black lettering show alternating exons. Red shaded nucleotides show the intron spanning primers used for qPCR. Nucleotides in italics show primers employed to amplify and then clone *Tuba8* cDNA. Grey shading and yellow lettering, respectively, show the long and short probes used in this study. The probe employed by Sheridan and colleagues is underlined.

## S2

**Figure S2:** *In situ* hybridization results for the adult cerebellum and olfactory bulb using the short (A,C) and long probes (B,D) targeting the 3' UTR of *Tuba8*. Staining is observed in the mitral cell layer (MCL) and the granule cell layer (GCL) of the olfactory bulbs, as well as the Purkinje cell layer (PCL) in the cerebellum (C,D). We observed no staining when employing control sense probes (data not shown). All panels show coronal sections (40 $\mu$ m) and the scale bar indicates 100 $\mu$ m.



## S3



**Figure S3:** Real time qPCR on the heart, liver, lung, skeletal muscle, kidney, spleen and testis of the adult mouse. *Tuba8* is expressed at highest levels in the testis, followed by heart and skeletal muscle. The notable expression of *Tuba1a* in the lung and testis is consistent with the results reported by Villasante et al, 1986.

Table S1 – Primers

Species	Gene	Experiment	Primer	Sequence
Mouse	<i>Tuba8</i>	<i>cDNA cloning</i>	Forward	GAAGAGAGCGGCCACGAT
			Reverse	TTGCTAATGTCTCACTGTGCTG
Mouse	<i>Tuba8</i>	<i>In situ</i> – UTR long	Forward	ATATACTTGTCCCATGAC
			Reverse	CTCTTGATGAACGAATGTGA
Mouse	<i>Tuba8</i>	<i>In situ</i> – UTR short	Forward	CAGCCTACTTCTGTCTAC
			Reverse	TGTGGTCCTATTCTTCCAAC
Mouse	<i>Tuba8</i>	<i>In situ</i> – Sheridan	Forward	ATGGCAAATACATGGCCTGC
			Reverse	CATGGGGCAAGTGTATATTTAAAATTC
Mouse	<i>Tuba1a</i>	qPCR	Forward	TCTCTTACATCGACCGCTAA
			Reverse	GCCAACATGGATGGAGATG
Mouse	<i>Tuba8</i>	qPCR	Forward	TTCTGCTGAGAAAGCCTACCA
			Reverse	CTGGTAGTTGATGCCACCT
Mouse	<i>Tubb2b</i>	qPCR	Forward	TCATCAGACCCACTGACACAG
			Reverse	TTTCCAGTTGCAAATCACTGTC
Mouse	<i>Tubb3</i>	qPCR	Forward	ATTCTGGTGGACTTGGAACCT
			Reverse	ACTCTTTCCGCACGACATCT
Human	<i>TUBA1A</i>	qPCR	Forward	TCTCTTACATCGACCGCTAA
			Reverse	CATTGCCAATCTGGACACC
Human	<i>TUBA8</i>	qPCR	Forward	GATGCAGCCAACAACACTATGC
			Reverse	CAGAGCAAGCATCTGTCAGC
Human	<i>TUBB2B</i>	qPCR	Forward	AGGCACCATGCGTGAGAT
			Reverse	TCCAGCTGCAAATCACTGTC
Human	<i>TUBB3</i>	qPCR	Forward	GGAGATCGTGACATCCAG
			Reverse	TCGAGGCACGTACTTGTGAG
Mouse	<i>Tuba8</i>	qPCR - Replication	Forward	AGCAAGATCAACGATGACGAC
			Reverse	CCACCAAAGCTGTGGAAGAT
Human	<i>TUBA8</i>	qPCR - Replication	Forward	GTCCACAGGCTTCAAGGT
			Reverse	TTGCTGAGCATGCAGACG