

Table 1: Protein expression of stem cell markers and others in OGCTs

HISTOLOGY of core	N	N bilat	OCT-3/4	NANOG		KIT		AP-2γ		TSPY		MAGE-A4		NY-ESO-1		AMH	PLAP		HCG		AFP	
OVARIAN TISSUES																						
Foetal GW 13–18	4		OCT-3/4 in foetal ovary: Ref [21]	Neg		KIT in foetal ovary: Ref [31]		AP-2γ in foetal ovary: Ref [27]		Neg		Oogonia++		Oogonia+/-		AMH in foetal ovary: Ref [19]	n.a.	n.a.		n.a.		
Foetal GW 20–24	4			Neg						Neg		Oogonia++		Oogonia+/-			n.a.	n.a.		n.a.		
Foetal GW 34–40	4			Neg						Neg		Oogonia++		Oogonia+/-			n.a.	n.a.		n.a.		
DG	17	4	++/+	80%	++	67%	++/+	80%**	++/+	33%	+/-	13%	++/+	40%		-	++/+	100%	++	7%	++	7%
DG (w/GB) [□]	8	4	++/+	75%	++/+	38%	++	88%**	+/+	38%	++/+	63%	+	13%	-	-	++/+	100%	-		-	
GB	2	1	++/+	100%	+	50%	++/+	100%**	-		++	50%	-	-	-	-	++	100%	-		-	
EC	1		-		+	100%	-		-		-		-	-	-	-	++	100%	-		-	
YST	14	1	+	8%	+	15%	+/+	15%	-		-		-	-	-	-	++/+	46%	-		++/+	77%
IT	17		-		-		-		-		-		-	-	-	-	-		-		+-	6%
CC	1		-		-		-		-		-		-	-	-	-	-		++	100%	-	
SCC	8		-		-		-		-		-		-	-	-	-	-		-		-	
NON-OVARIAN TISSUES																						
Adult normal testis	3		-		+/-	(unsp)	+	100% [†]	-		++	100%	+	100%	+	33% ^{††}	++	100% [‡]	-	-	-	
CIS testis	2		++	100%	++	100%	++	100%	++	100%	++	100%	-		-	-	n.a.		n.a.		n.a.	
Seminoma testis	2		++	100%	++	100%	++	100%	++	50%	++	100%	-		-	-	++	100%	-		-	
EC/TER testis	2		++	100%	++	100%	+	50%	++/+	100%	+	100%	-		-	-	++/+	100%	++	100%	+	50%
YST testis	1		++	100%	++	100%	-		-		-		-		-	-	+	100%	++	100%	++	100%
Colon cancer	2		-		-		-		-		-		-		-	-	-		-		-	
Prostate cancer	2		-		-		-		-		-		-		-	-	-		-		-	
Normal brain	1		-		-		-		-		-		-		-	-	-		-		-	
Normal kidney	1		-		-		-	(unsp)	-	(unsp)	+/-	(unsp)	-		-	-	-		-		-	
Normal liver	2		-		-		-	(unsp)	-	(unsp)	-		-		-	-	-		-		-	

Staining intensity is marked by '++'/'+'/'-'/'-' followed by the percentage of positive tissue samples. Staining intensity = '++': >50% of tumour cells stained; '+': staining in approximately 20–50% of tumour cells; '-': few cells stained; '-': no positive cells detected. For each tumour type the range of staining intensities are divided with '/'. Symbols = †: staining in spermatocytes; ||: staining in spermatocytes and spermatogonia; ††: staining in spermatogonia; ‡: staining in pre-pubertal Sertoli cells; **: all bilateral DG or GB stained '++' with KIT; †: DG tissue from patients with diagnosis DG with GB. Abbreviations: OGCT = ovarian germ cell tumour; GW = gestational week; DG = dysgerminoma; GB = gonadoblastoma; EC = embryonal carcinoma; YST = yolk sac tumour; IT = immature teratoma; CC = choriocarcinoma; SCC = small cell carcinoma; CIS = carcinoma *in situ*; TER = teratoma; N = number; bilat = bilateral; n.a. = not analysed; ref = reference; unsp = unspecific.