

Online Resource 2: Summary of changes in hormonally stimulated Ishikawa cell spheroids

IHC antibody	condition	nuclear staining	subapically concentrated lateral staining	equally distributed lateral staining	basal membrane staining
Ki-67	vehicle	++	-	-	-
	E2	+++	-	-	-
	P4	+	-	-	-
	MPA	+	-	-	-
	hCG	++	-	-	-
desmoplakin 1	vehicle	-	+	+	-
	E2	-	++	-	-
	P4	-	-	++	-
	MPA	-	-	++	-
	hCG	-	+	++	-
α6-integrin	vehicle	-	-	-	++
	E2	-	-	-	++
	P4	-	-	++	+
	MPA	-	-	++	+
	hCG	-	-	++	+
β4-integrin	vehicle	-	-	+	++
	E2	-	-	+	++
	P4	-	-	+	++
	MPA	-	-	+	++
	hCG	-	-	+	++

Strength of staining and main localization was classified to: “+” low, “++” middle and “+++” strong. “-“ means “no staining”.

Abbreviations: IHC = immunohistochemistry; E2 = 17 β -estradiol; P4 = progesterone; MPA = medroxyprogesterone acetate; hCG = human choriogonadotropin.