

**Supplemental Table 1.** Characteristics of primary antibodies used for immunohistochemistry

Primary antibody	Species	Dilution	Source/Reference	Positive Control Tissue
CYP11A1	Rabbit (polyclonal)	1/ 200	BEX, Japan	Adrenal
CYP17A	Rabbit (polyclonal)	1/ 500	BEX, Japan	Adrenal
CYP19A1	Mouse (monoclonal)	1/ 500	Aromatase 677, 18	Placenta
CYP21	Rabbit (polyclonal)	1/ 15,000	Abnova, Taipei, Taiwan	Adrenal
17 $\beta$ HSD1	Mouse (monoclonal)	1/ 400	Abnova, Taipei, Taiwan	Placenta
17 $\beta$ HSD2	Rabbit	1/ 500	Keio University, Japan	Placenta
17 $\beta$ HSD5	Mouse (monoclonal)	1/ 200	Sigma Aldrich, St. Louis, USA	Testis
SULT-2A	Goat (polyclonal)	1/ 1,000	Santa Cruz Biotechnology, Inc., California, USA	Adrenal
SRD5A1	Goat (polyclonal)	1/ 200	Abcam, Cambridge, UK	Liver
SRD5A2	Rabbit (polyclonal)	1/ 700	AVIVA System Biology, San Diego, USA	Liver