

Anti-CYP11B1 Antibody, clone 80-7 clone 80-7, from rat

Art. ID SAF-MABS502

Unit EA

Description

Cytochrome P450 11B1, mitochondrial (EC1.14.15.4, EC1.14.15.5, UniProt P15538, also known as CYPXIB1, Cytochrome P-450c11, Cytochrome P450C11, Cytochrome P450 subfamily XIB polypeptide 1, Cytochrome P450 XIB1, Steroid 11-beta-monooxygenase, Steroid 11-beta-hydroxylase) is encoded by the CYP11B1 (Also known as CPN1, CYP11B, FHI, P450C11, S11BH) gene in human (Gene ID 1584). CYP11B1 protein is a member of the cytochrome P450 superfamily of monooxygenases that catalyze reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. It is localized to the inner mitochondrial membrane and mediates the conversion of progesterone to cortisol in the adrenal cortex. CYP11B1 gene mutations are known causes of adrenal hyperplasia 4 (AH4), a form of congenital adrenal hyperplasia due to defective synthesis of cortisol.