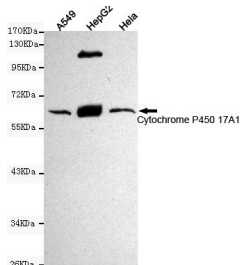




CYP17

Mouse monoclonal Antibody

#53527

**Catalog Number:** 53527**Amount:** 100µg/100µl**Swiss-Prot No. :** P05093**Gene name:** cyp17a1**Gene id:** 1586**Clone Number:** 6E1-H9-F6**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CYP17 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CYP17 and does not cross-react with Akt2 and related proteins**Reactivity:** Human**Applications:** Predicted MW: 60kd WB: 1:1000

Western blot detection of CYP17 in HeLa, HepG2 and A549 cell lysates using CYP17 mouse mAb (1:1000 diluted). Predicted band size: 60KDa. Observed band size: 60KDa.

### Background:

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. It has both 17 $\alpha$ -hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17  $\alpha$ -hydroxylase deficiency, 17- $\alpha$ -hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia.