

## CYP27A1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**60kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CYP27A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CTX; CP27; CYP27;

**Catalog #:**A1982

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1593

**Isotype:**IgG

**Swiss Prot:**Q02318

**Purity:**Affinity purification

For research use only.

**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 mitochondrial protein oxidizes cholesterol intermediates as part of the bile synthesis pathway. Since the conversion of cholesterol to bile acids is the major route for removing cholesterol from the body, this protein is important for overall cholesterol homeostasis. Mutations in this gene cause cerebrotendinous xanthomatosis, a rare autosomal recessive lipid storage disease.

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