

CYP27C1 polyclonal antibody

Catalog: BS60621

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytochrome P450 proteins are heme-thiolate monooxygenases that mediate NADPH-dependent electron transport and function to oxidize a variety of structurally unrelated compounds, including steroids, fatty acids and xenobiotics. Specifically, cytochrome P450s are responsible for metabolizing arachidonic acid to hydroxyeicosatetraenoic acid (a regulator of blood pressure) and epoxyeicosatrienoic acid (a molecule involved in signaling events). CYP27C1 (cytochrome P450, family 27, subfamily C, polypeptide 1) is a 372 amino acid membrane protein belonging to the cytochrome P450 family. CYP27C1 uses heme groups as cofactors and is encoded by a gene located on human chromosome 2, which consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2 including Harlequin ichthyosis, sitosterolemia and Alström syndrome.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 43 kDa

Swiss-Prot:

Q4G0S4

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

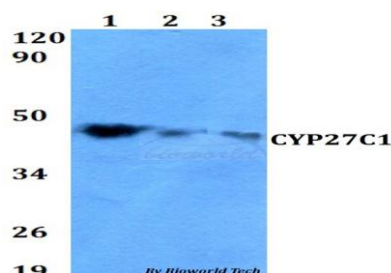
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CYP27C1 polyclonal antibody detects endogenous levels of CYP27C1 protein.

DATA:



Western blot (WB) analysis of CYP27C1 polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate

Lane2: NIH-3T3 whole cell lysate

Lane3: PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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