



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CYP4F22 polyclonal antibody

Catalog: BS32854

Host: Rabbit

Reactivity: Human

BackGround:

Ultra-long-chain fatty acid omega-hydroxylase: A cytochrome P450 monooxygenase involved in epidermal ceramide biosynthesis. Hydroxylates the terminal carbon (omega-hydroxylation) of ultra-long-chain fatty acyls (C28-C36) prior to ceramide synthesis. Contributes to the synthesis of three classes of omega-ga-hydroxy-ultra-long chain fatty acylceramides having sphingosine, 6-hydroxysphingosine and phytosphingosine bases, all major lipid components that underlie the permeability barrier of the stratum corneum. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~62.0 kDa

Swiss-Prot:

Q6NT55

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

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:

Recognizes endogenous levels of CYP4F22 protein

DATA:

Western blot analysis of GDF11 expression in GDF11 recombinant protein (A) whole cell lysates.

Note:

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

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