SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CYP4F22 antibody

Catalog Number: SL14159R

FOR RESEARCH USE ONLY

[DATASHEET]

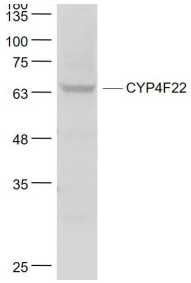
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYP4F22
Immunogen:	KLH conjugated synthetic peptide derived from human CYP4F22: 451-531/531
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Cow,Rabbit,Sheep)
Predicted MW.:	62kDa
Subcellular Location:	cytoplasmic
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 gene is part of a cluster of cytochrome P450 genes on chromosome 19 and encodes an enzyme thought to play a role in the 12(R)-lipoxygenase pathway. Mutations in this gene are the cause of ichthyosis lamellar type 3. [provided by RefSeq, Jul 2008] **Subcellular Location:** Endoplasmic reticulum membrane. Microsome membrane. DISEASE: Defects in CYP4F22 are the cause of ichthyosis lamellar type 3 (LI3) [MIM:604777]. LI is a non-bullous ichthyosis, a skin disorder characterized by abnormal cornification of the epidermis. It is one the most severe forms of ichthyoses apparent at birth and persisting throughout life. LI patients are born encased in a tight, shiny, translucent covering called

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	collodion membrane. Over the first weeks of life, the collodion membrane is gradually replaced by generalized large, dark brown, plate-like scales with minimal to no erythroderma. Tautness of facial skin commonly results in ectropion, eclabium and scarring alopecia of the scalp. Common complications are severe heat intolerance and recurrent ear infections. **Similarity:** Belongs to the cytochrome P450 family. **Database links:** **Entrez Gene:** 126410 Human Omim: 611495 Human **SwissProt:** Q6NT55 Human **Unigene:** 156452 Human

[VALIDATION IMAGES]



Sample:
293T(Human) Cell Lysate at 30 ug
Primary: Anti- CYP4F22 (SL14159R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 63 kD

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