

For Research Use Only

# CYP4F8 Polyclonal antibody

Catalog Number: 20011-1-AP



## Basic Information

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|--|--|--|
| <b>Catalog Number:</b><br>20011-1-AP   | <b>GenBank Accession Number:</b><br>NM_007253                              | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 350 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>11283   | <b>Recommended Dilutions:</b><br>IHC 1:20-1:200              |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>cytochrome P450, family 4, subfamily F, polypeptide 8 |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>60 kDa  |  |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>IHC, ELISA | <b>Positive Controls:</b><br>IHC : human skin tissue, human kidney tissue |
| <b>Species Specificity:</b><br>human      |   |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CYP4F8, also named as CPF8, belongs to the cytochrome P450 family. Cytochromes P450 are a group of heme-thiolate monooxygenases. CYP4F8 hydroxylates arachidonic acid (20:4n-6) to (18R)-hydroxyarachidonate. CYP4F8 shows little activity against prostaglandin (PG) D2, PGE1, PGE2, PGF2alpha, and leukotriene B4. CYP4F8 catalyzes omega-2 and omega-3-hydroxylation of PGH1 and PGH2. Catalyzes epoxidation of 4,7,10,13,16,19-(Z)-docosahexaenoic acid (22:6n-3) and 7,10,13,16,19-(Z)-docosapentaenoic acid (22:5n-3) and omega-3-hydroxylation of 4,7,10,13,16-(Z)-docosapentaenoic acid (22:5n-6). It catalyzes hydroxylation of PGI2 and carbaprostacyclin. The antibody has no cross reaction to other CYP4F member

## Storage

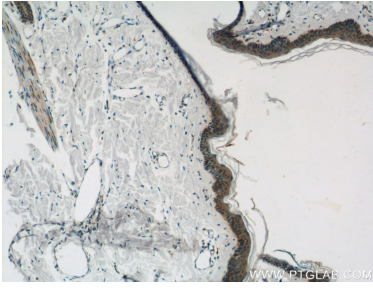
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

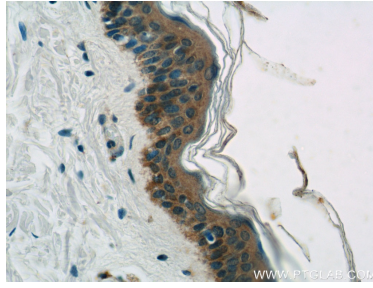
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 20011-1-AP (CYP4F8 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 20011-1-AP (CYP4F8 Antibody) at dilution of 1:50 (under 40x lens).