

For Research Use Only

# CYP4F8 Polyclonal antibody

Catalog Number: 20011-1-AP



## Basic Information

<b>Catalog Number:</b> 20011-1-AP	<b>GenBank Accession Number:</b> NM_007253	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 11283	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P98187	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 4, subfamily F, polypeptide 8	
	<b>Calculated MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human skin tissue, human kidney tissue
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

For technical support and original validation data for this product please contact:

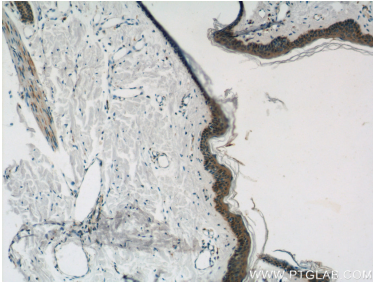
T: 4006900926

E: Proteintech-CN@ptglab.com

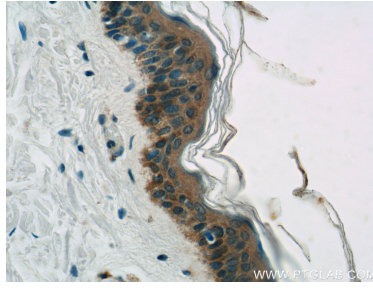
W: ptgcn.com

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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).