

# CYP4F8 Polyclonal antibody

Catalog Number: 20011-1-AP

## Basic Information

**Catalog Number:**

20011-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_007253

**GeneID (NCBI):**

11283

**UNIPROT ID:**

P98187

**Full Name:**

cytochrome P450, family 4, subfamily F, polypeptide 8

**Calculated MW:**

60 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, ELISA

**Species Specificity:**

human

**Positive Controls:**

IHC : human skin tissue, human kidney tissue

**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:**

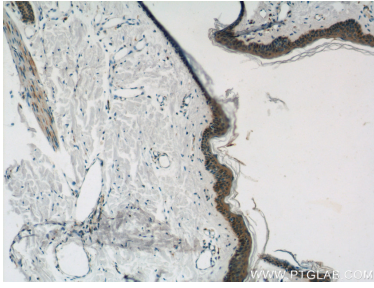
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

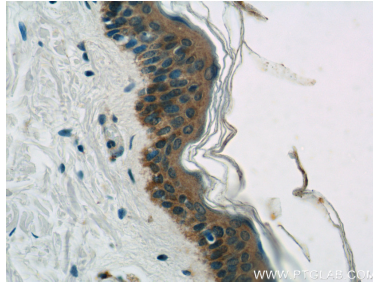
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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).