

For Research Use Only

CYP4F8 Polyclonal antibody

Catalog Number: 20011-1-AP



Basic Information

Catalog Number: 20011-1-AP	GenBank Accession Number: NM_007253	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11283	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P98187	
Isotype: IgG	Full Name: cytochrome P450, family 4, subfamily F, polypeptide 8	
	Calculated MW: 60 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human skin tissue, human kidney tissue
Species Specificity: 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

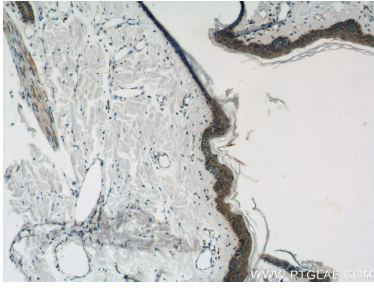
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

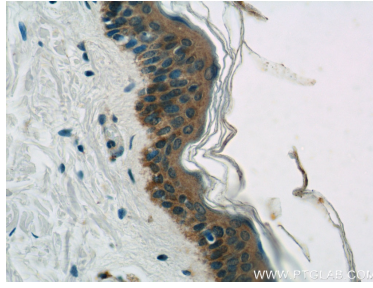
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).