

Summary

Production Name	CYP4V2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CYP4V2
Alternative Names	CYP4V2; Cytochrome P450 4V2
Gene ID	285440.0
SwissProt ID	Q6ZWL3.Synthesized peptide derived from the Internal region of human CYP4V2.

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:20000
Molecular Weight	60kD

Background

This gene encodes a member of the cytochrome P450 hemethiolate protein superfamily which are involved in oxidizing various substrates in the metabolic pathway. It is implicated in the metabolism of fatty acid precursors into n-3

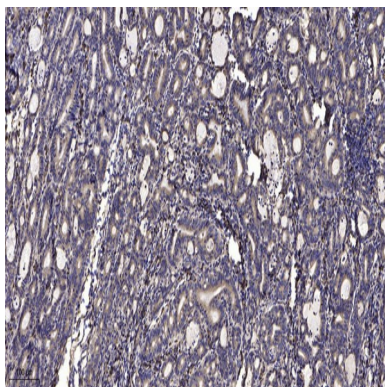
Product Name: CYP4V2 Rabbit Polyclonal Antibody
Catalog #: APRab09673



polyunsaturated fatty acids. Mutations in this gene result in Bietti crystalline corneoretinal dystrophy. [provided by RefSeq, Jul 2008],cofactor:Heme group.,disease:Defects in CYP4V2 are a cause of Bietti crystalline corneoretinal dystrophy (BCD) [MIM:210370]. BCD is an autosomal recessive retinal dystrophy characterized by multiple glistening intraretinal crystals scattered over the fundus, a characteristic degeneration of the retina, and sclerosis of the choroidal vessels, ultimately resulting in progressive night blindness and constriction of the visual field. Most cases have similar crystals at the corneoscleral limbus. Clinically, BCD is progressive. Patients develop decreased vision, nyctalopia, and paracentral scotomata between the 2nd and 4th decade of life. Later, patients develop peripheral visual field loss and marked visual impairment, usually progressing to legal blindness by the 5th or 6th decade of life.,function:Unknown. May have a role in fatty acid and steroid metabolism.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Broadly expressed. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, retina, retinal pigment epithelium (RPE) and lymphocytes.,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .

Note

For research use only.