CYP4V2 Monoclonal Antibody

Catalog No	BYmab-02603
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CYP4V2
Protein Name	Cytochrome P450 4V2
Immunogen	Synthesized peptide derived from the Internal region of human CYP4V2.
Specificity	CYP4V2 Monoclonal Antibody detects endogenous levels of CYP4V2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYP4V2; Cytochrome P450 4V2
Observed Band	60kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Tissue Specificity	Broadly expressed. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, retina, retinal pigment epithelium (RPE) and lymphocytes.
Function	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 cytoc

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 polyunsaturated fatty acids. Mutations in this gene result in Bietti crystalline corneoretinal dystrophy. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images