Best Tools for immunology Research

NCPR Polyclonal Antibody

Catalog No :	YN1836
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	NCPR
Gene Name :	POR CYPOR
Protein Name :	NADPH--cytochrome P450 reductase (CPR) (P450R) (EC 1.6.2.4)
Human Gene Id :	5447
Human Swiss Prot No :	P16435
Mouse Swiss Prot No :	P37040
Rat Swiss Prot No :	P00388
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	NCPR Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 74kD

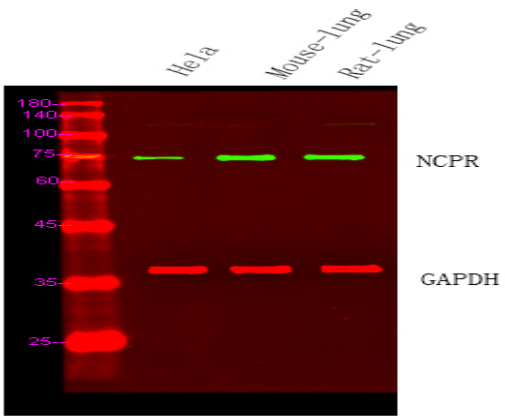
Background : This gene encodes an endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain. The protein binds two cofactors, FAD and FMN, which allow it to donate electrons directly from NADPH to all microsomal P450 enzymes. Mutations in this gene have been associated with various diseases, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome. [provided by RefSeq, Jul 2008],

Function : catalytic activity:NADPH + n oxidized hemoprotein = NADP(+) + n reduced hemoprotein.,cofactor:FAD.,cofactor:FMN.,disease:Defects in POR are a cause of isolated disordered steroidogenesis (IDS) [MIM:201750].,disease:Defects in POR are the cause of adrenal hyperplasia variant type (AHV) [MIM:201750]; also known as Antley-Bixler syndrome-like phenotype with disordered steroidogenesis. AHV is a rare variant of congenital adrenal hyperplasia. It is an autosomal recessive disorder with apparent combined P450C17 and P450C21 deficiency. Affected girls are born with ambiguous genitalia, but their circulating androgens are low and virilization does not progress. Conversely, affected boys are sometimes born undermasculinized. Boys and girls can also present with bone malformations, in some cases resembling the pattern seen in patients with Antley-Bixler syndrome.,function:This enzyme is required fo

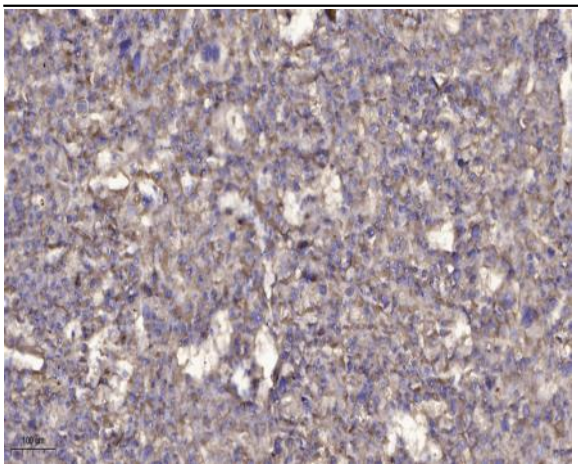
Subcellular Location : Endoplasmic reticulum membrane ; Single-pass membrane protein ; Cytoplasmic side .

Expression : Aorta endothelial cell,Liver,Lung,Small intestine,

Products Images



Western Blot analysis of varius cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920 was diluted at 1:10000



Immunohistochemical analysis of paraffin-embedded human liver cancer. 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).