



CYP11B1 Polyclonal Antibody

Catalog Number PA5-63290

Product Data Sheet

Details		Species Reactivity	
Size	100µl	Tested species reactivity	Human
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunohistochemistry (IHC)	1:50-1:200
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Recombinant protein corresponding to Human CYP11B1		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-Specific		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS, pH 7.2, with 40% glycerol		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product Specific Information

Immunogen sequence: RFLPMVDAVA RDFSQALKKK VLQNARGSLT LDVQPSIFHY TIEASNLALF GERLGLVGHS PSSASLNFLH ALEVMFKSTV QLMFMPPR

Highest antigen sequence identity to the following orthologs: Mouse - 71%, Rat - 72%.

Background/Target Information

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and is involved in the conversion of progesterone to cortisol in the adrenal cortex. Mutations in this gene cause congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency. Transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008].

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