



CYP3A43 Polyclonal Antibody

Catalog No	YP-Ab-02597
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CYP3A43
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 3A43. AA range:231-280
Specificity	CYP3A43 Polyclonal Antibody detects endogenous levels of CYP3A43 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYP3A43;Cytochrome P450 3A43
Observed Band	57kD
Calculated Molecular Weight	57kD
Cell Pathway	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.
Tissue Specificity	Highest expression level in prostate. Also expressed in liver, kidney, pancreas, fetal liver and fetal skeletal muscle.
Function	alternative products:Additional isoforms seem to exist,catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O., cofactor:Heme group.,function:Exhibits low testosterone 6-beta-hydroxylase activity.,induction:By rifampicin.,online information:CYP3A43 alleles, polymorphism:At protein level, three alleles are known: CYP3A43*1, CYP3A43*2 and CYP3A43*3. The sequence shown is that of CYP3A43*1, which is the most frequent allele. The allele CYP3A43*2 is likely to be non-functional.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Highest expression level in prostate. Also expressed in liver, kidney, pancreas, fetal liver and fetal skeletal muscle.,



Background

cytochrome P450 family 3 subfamily A member 43(CYP3A43) Homo sapiens
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. The encoded protein has a low level of testosterone hydroxylase activity, and may play a role in aging mechanisms and cancer progression. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013],

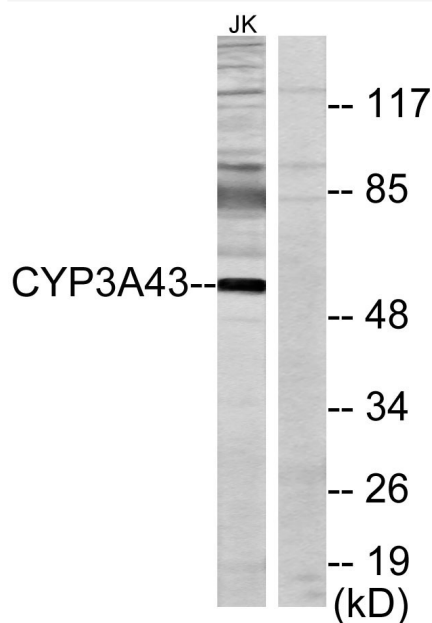
matters needing attention

Avoid repeated freezing and thawing!

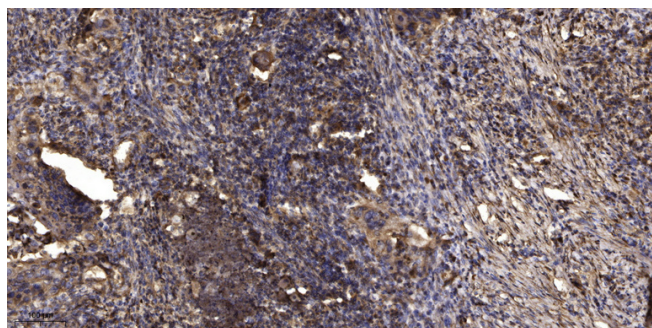
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jurkat cells, using Cytochrome P450 3A43 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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).