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anti-CYP3A4 antibody (AA 242-270)

3 Images



Publication



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Quantity:	400 μL	
Target:	CYP3A4	
Binding Specificity:	AA 242-270	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CYP3A4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)	

Product Details

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Immunogen:	This CYP3A43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-270 amino acids from the Central region of human CYP3A43.
Clone:	RB16656
Isotype:	lg Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

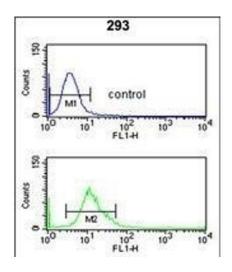
Target Details

Target:	CYP3A4	
Alternative Name:	CYP3A43 (CYP3A4 Products)	

Target Details

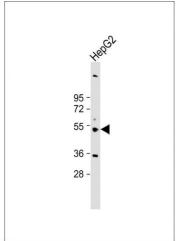
Background:	CYP3A43 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450	
	proteins are monooxygenases which catalyze many reactions involved in drug metabolism and	
	synthesis of cholesterol, steroids and other lipids. This protein has a low level of testosterone	
	hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome	
	P450s, the protein unknown whether the enzyme is also involved in xenobiotic metabolism.	
Molecular Weight:	57670	
Gene ID:	64816	
NCBI Accession:	NP_001265850, NP_073731, NP_476436, NP_476437	
UniProt:	Q9HB55	
Pathways:	Steroid Hormone Biosynthesis	
Application Details		
Application Notes:	IF: 1:10~50. WB: 1:2000. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small	
, and the second	aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	
Publications		
Product cited in:	He, Yang, Li: "The clinical pathological significance of Thy1 and CD49f expression in	
	chondrosarcomas." in: Pathology, research and practice , Vol. 212, Issue 7, pp. 636-42, (2017) (
	PubMed).	

Images



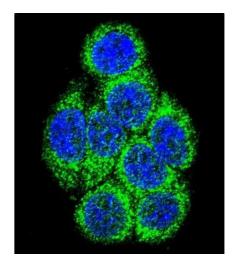
Flow Cytometry

Image 1. CYP3A43 Antibody (Center) (ABIN652422 and ABIN2842088) flow cytometry analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Anti-CYP3A43 Antibody (Center) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of CYP3A43 Antibody (Center) (ABIN652422 and ABIN2842088) with 293 cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). DI was used to stain the cell nuclear (blue).