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anti-CYP1A1 antibody (Middle Region)



Images



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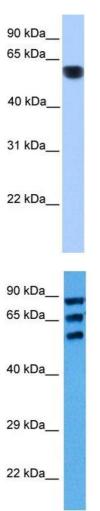
Quantity:	100 μL
Target:	CYP1A1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Guinea Pig, Rabbit, Sheep, Dog, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP1A1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CYP1A1
Immunogen: Sequence:	The immunogen is a synthetic peptide directed towards the middle region of human CYP1A1 QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV
Sequence:	QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV Cow: 93%, Dog: 83%, Goat: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 100%,
Sequence: Predicted Reactivity:	QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV Cow: 93%, Dog: 83%, Goat: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 93%, Zebrafish: 92% This is a rabbit polyclonal antibody against CYP1A1. It was validated on Western Blot using a
Sequence: Predicted Reactivity: Characteristics:	QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV Cow: 93%, Dog: 83%, Goat: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 93%, Zebrafish: 92% This is a rabbit polyclonal antibody against CYP1A1. It was validated on Western Blot using a cell lysate as a positive control.

Alternative Name:	CYP1A1 (CYP1A1 Products)	
Background:	CYP1A1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450	
	proteins are monooxygenases which catalyze many reactions involved in drug metabolism an	
	synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic	
	reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs),	
	some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown	
	however, it is able to metabolize some PAHs to carcinogenic intermediates. CYP1A1 has been	
	associated with lung cancer risk. This gene, CYP1A1, 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 an	
	other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced	
	by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette	
	smoke. The enzyme's endogenous substrate is unknown, however, it is able to metabolize	
	some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer ris	
	A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on	
	chromosome 15. Sequence Note: The RefSeq transcript and protein were derived from	
	genomic sequence to make the sequence consistent with the reference genome assembly. The	
	genomic coordinates used for the transcript record were based on alignments. Publication	
	Note: This RefSeq record includes a subset of the publications that are available for this gene.	
	Please see the Entrez Gene record to access additional publications.	
	Alias Symbols: AHH, AHRR, CP11, CYP1, P1-450, P450-C, P450DX	
	Protein Interaction Partner: CMTM5, CYB5A,	
	Protein Size: 512	
Molecular Weight:	58 kDa	
Gene ID:	1543	
NCBI Accession:	NM_000499, NP_000490	
UniProt:	P04798	
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 512 AA	
Restrictions:	For Research Use only	

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CYP1A1 Antibody Titration:0.2-1 ug/ml Positive Control: Human heart

Western Blotting

Image 2. Host: Mouse Target Name: CYP1A1 Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml

CYP1A1

Western Blotting

Image 3. Host: Rabbit Target Name: CYP1A1 Sample Tissue: Human Fetal Lung Antibody Dilution: 1.0ug/ml

Please check the product details page for more images. Overall 4 images are available for ABIN2776793.