

Rabbit CYP3A43 Polyclonal Antibody | anti-CYP3A43 antibody

CYP3A43 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200035	Rabbit	Cow, Dog, Guinea Pig, Human, Rabbit, Rat, Sheep	Immunohistochemistry, Western Blot

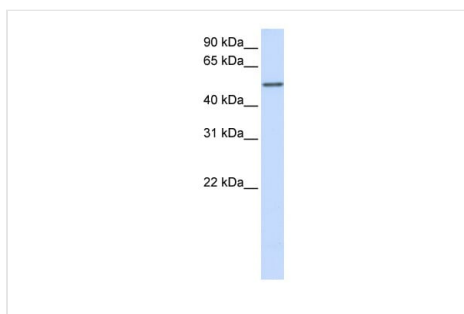
PRODUCT SYNONYMS

CYP3A43; Polyclonal Antibody; CYP3A43 antibody - middle region; anti-CYP3A43 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ER MKESRLKDKQ KHRVDFQQM IDSQNSKETK SHKALSDLEL VAQSIII
Sequence Length	504
Applicable Applications for anti-CYP3A43 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 79%; Dog: 79%; Guinea Pig: 79%; Human: 100%; Rabbit: 79%; Rat: 79%; Sheep: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CYP3A43
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

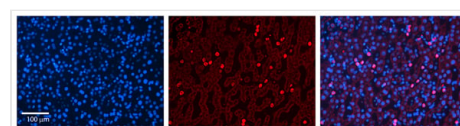
IMAGES



WB (Western Blot)

WB Suggested Anti-CYP3A43 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive

Control: Human brain



IHC (Immunohistochemistry)

CYP3A43 antibody - middle region Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue
 Observed Staining: Cytoplasm in Kupffer cells of liver
 Primary Antibody Concentration: 1:600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-CYP3A43 antibody	This is a rabbit polyclonal antibody against CYP3A43. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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 enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms. 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 enzyme has a low level of testosterone hydroxylase activity. Although it bears homology to some drug-metabolizing cytochrome P450s, it is unknown whether the enzyme is also involved in xenobiotic metabolism. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing of this gene results in three transcript variants encoding different isoforms.
Product Categories/Family for anti-CYP3A43 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	12383060
NCBI GeneID	64816
NCBI Accession #	NP_073731
NCBI GenBank Nucleotide #	NM_022820
UniProt Accession #	Q9HB55
Molecular Weight	58kDa
NCBI Official Full Name	cytochrome P450 3A43 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 3 subfamily A member 43
NCBI Official Symbol	CYP3A43
NCBI Protein Information	cytochrome P450 3A43
UniProt Protein Name	Cytochrome P450 3A43
UniProt Gene Name	CYP3A43
UniProt Entry Name	CP343_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.