

Rabbit CYP3A5 Polyclonal Antibody | anti-CYP3A5 antibody

CYP3A5 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200989	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rat, Sheep	Western Blot

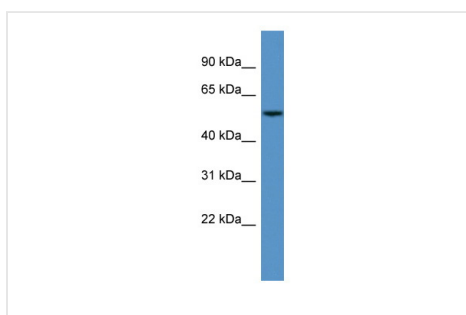
PRODUCT SYNONYMS

CYP3A5; Polyclonal Antibody; CYP3A5 antibody - N-terminal region; anti-CYP3A5 antibody

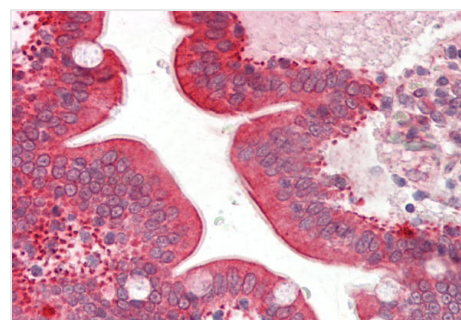
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, 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: AI TDPDVIRTVL VKECYSVFTN RRLGPGVGM KSAISLAEDE EWKRIRSL
Sequence Length	502
Applicable Applications for anti-CYP3A5 antibody	WB (Western Blot)
Homology	Cow: 79%; Dog: 91%; Guinea Pig: 92%; Horse: 86%; Human: 100%; Mouse: 82%; Pig: 93%; Rat: 79%; Sheep: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CYP3A5
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-CYP3A5 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:62500
Positive Control: Human Placenta


IHC (Immunohistochemistry)

Rabbit Anti-CYP3A5 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult Small intestine
Observed Staining: Cytoplasm in hepatocytes
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-CYP3A5 antibody	This is a rabbit polyclonal antibody against CYP3A5. It was validated on Western Blot Target Description: This gene,CYP3A5, 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 endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. The enzyme metabolizes drugs such as nifedipine and cyclosporine as well as the steroid hormones testosterone, progesterone and androstenedione. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. This cluster includes a pseudogene, CYP3A5P1, which is very similar to CYP3A5. This similarity has caused some difficulty in determining whether cloned sequences represent the gene or the pseudogene. Multiple alternatively spliced transcript variants have been identified for this gene.
Product Categories/Family for anti-CYP3A5 antibody	Polyclonal; Cell Adhesion; Membrane Protein; Drugs and Drug Metabolism; Methylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503231
NCBI GeneID	1577
NCBI Accession #	NP_000768
NCBI GenBank Nucleotide #	NM_000777
UniProt Accession #	P51589; P20815
Molecular Weight	57kDa
NCBI Official Full Name	cytochrome P450 3A5 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 3 subfamily A member 5
NCBI Official Symbol	CYP3A5
NCBI Official Synonym Symbols	CP35; PCN3; CYP11A5; P450PCN3
NCBI Protein Information	cytochrome P450 3A5
UniProt Protein Name	Cytochrome P450 2J2
UniProt Gene Name	CYP2J2
UniProt Entry Name	CP2J2_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.