

Rabbit Cytochrome P450 26A1 Polyclonal Antibody | anti-CYP26A1 antibody

Cytochrome P450 26A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322025	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

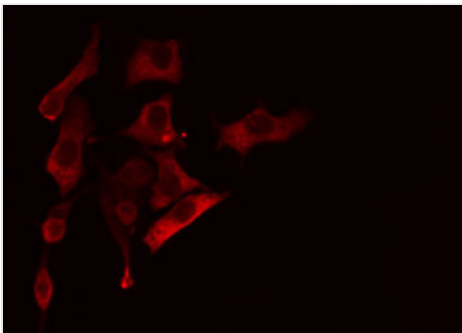
PRODUCT SYNONYMS

Cytochrome P450 26A1; Polyclonal Antibody; Cytochrome P450 26A1 Antibody; CP26; CP26A_HUMAN; CYP26; CYP26A 1; cyp26a1; Cytochrome P450 family 26 subfamily A polypeptide 1; Cytochrome P450 retinoic acid-inactivating 1; cytochrome P450; family 26; subfamily A; polypeptide 1; subfamily XXVIA; Cytochrome P450RAI; hP450RAI; OTTHUMP00000020102; OTTHUMP00000020103; P450; P450 retinoic acid inactivating 1; P450RAI; P450RAI1; Retinoic acid 4 hydroxylase; Retinoic acid 4-hydroxylase; Retinoic acid metabolizing cytochrome; Retinoic acid-metabolizing cytochrome; anti-CYP26A1 antibody

PRODUCT SPECIFICATIONS

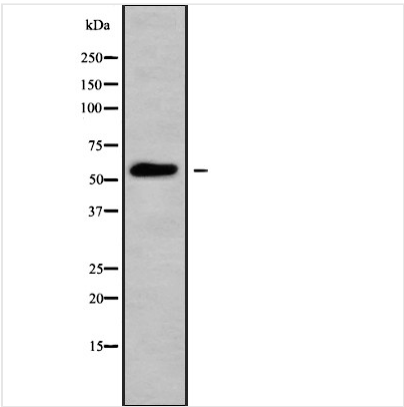
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cytochrome P450 26A1 antibody detects endogenous levels of total Cytochrome P450 26A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	497
Applicable Applications for anti-CYP26A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytochrome P450 26A1
Subcellular Location	Endoplasmic Reticulum Membrane. Microsome Membrane.
Tissue Specificity	Highest levels in adult liver, heart, pituitary gland, adrenal gland, placenta and regions of the brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322025 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of Cytochrome P450 26A1 expression in HepG2 cells

ADDITIONAL INFORMATION

Related Product Information for anti-CYP26A1 antibody	Description: Plays a key role in retinoic acid metabolism. Acts on retinoids, including all-trans-retinoic acid (RA) and its stereoisomer 9-cis-RA. Capable of both 4-hydroxylation and 18-hydroxylation. Responsible for generation of several hydroxylated forms of RA, including 4-OH-RA, 4-oxo-RA and 18-OH-RA. Similarity: Belongs to the cytochrome P450 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16933530
NCBI GeneID	1592
NCBI Accession #	NP_000774.2
NCBI GenBank Nucleotide #	NM_000783.3
UniProt Accession #	O43174; Q5VXH9; Q5VXI0; B3KNI4
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	cytochrome P450 26A1 isoform 1
NCBI Official Synonym Full Names	cytochrome P450 family 26 subfamily A member 1
NCBI Official Symbol	CYP26A1
NCBI Official Synonym Symbols	CP26; CYP26; P450RAI; P450RAI1
NCBI Protein Information	cytochrome P450 26A1
UniProt Protein Name	Cytochrome P450 26A1
UniProt Gene Name	CYP26A1
UniProt Synonym Gene Names	CYP26; P450RAI1; Cytochrome P450RAI; hP450RAI

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.