

Datasheet for ABIN2773790
anti-UROD antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	UROD
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Sheep, Cow, Dog, Guinea Pig, Rabbit, Pig, Horse, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UROD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UROD
Sequence:	VPGKGPSFPE PLREEQDLER LRDPEVVASE LGYVFQAITL TRQRLAGRVP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Yeast: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against UROD. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	UROD
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Target Details

Alternative Name:	UROD (UROD Products)
Background:	<p>UROD is the fifth enzyme of the heme biosynthetic pathway. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of four carboxymethyl side chains. Mutations and deficiency in this enzyme are known to cause familial porphyria cutanea tarda and hepatoerythropoetic porphyria. This gene encodes the fifth enzyme of the heme biosynthetic pathway. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of four carboxymethyl side chains. Mutations and deficiency in this enzyme are known to cause familial porphyria cutanea tarda and hepatoerythropoetic porphyria.</p> <p>Alias Symbols: PCT, UPD</p> <p>Protein Interaction Partner: FAM84B, UBC, CHRA1, MTAP, BAG3, NME1, FAF1, HMGXB4, VIM, CHD3, EGFR, UROD,</p> <p>Protein Size: 367</p>
Molecular Weight:	40 kDa
Gene ID:	7389
NCBI Accession:	NM_000374 , NP_000365
UniProt:	P06132

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 367 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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

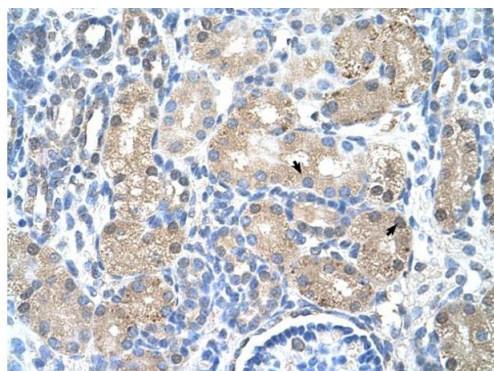
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

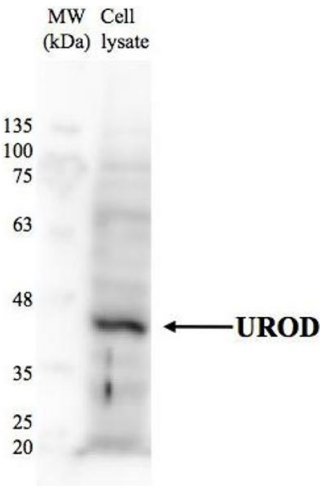
Image 1. WB Suggested Anti-UROD Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate UROD is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Rabbit Anti-UROD Antibody
Catalog Number: ARP41724
Lot Number: QC12357
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-UROD Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. Human HepG2