

## Rabbit UROD Polyclonal Antibody | anti-UROD antibody

UROD Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA327075</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

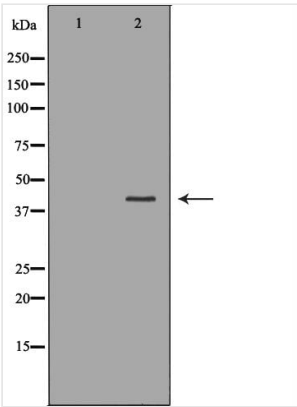
### PRODUCT SYNONYMS

UROD; Polyclonal Antibody; UROD Antibody; DCUP\_HUMAN; PCT; UPD; URO D; URO-D; urod; Uroporphyrinogen decarboxylase; Uroporphyrinogen III decarboxylase; anti-UROD antibody

### PRODUCT SPECIFICATIONS

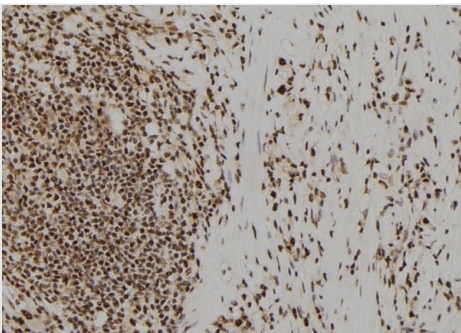
|                                                |                                                                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                            |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                        |
| Isotype                                        | IgG                                                                                                                               |
| Specificity                                    | UROD antibody detects endogenous levels of total UROD                                                                             |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                     |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                     |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                            |
| Sequence Length                                | 367                                                                                                                               |
| Applicable Applications for anti-UROD antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                              |
| Immunogen                                      | A synthesized peptide derived from human UROD                                                                                     |
| Subcellular Location                           | Cytoplasm.                                                                                                                        |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                        |
| Similarity                                     | Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (90%), Xenopus (100%) |
| Conjugation                                    | Unconjugated                                                                                                                      |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                 |

IMAGES



WB (Western Blot)

Western blot analysis of Hepg2 whole cell lysates, using UROD Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327075 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-UROD antibody

Description: This gene encodes an enzyme in 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.

Function: Catalyzes the decarboxylation of four acetate groups of uroporphyrinogen-III to yield coproporphyrinogen-III.

Subunit Structure: Homodimer.

Similarity: Belongs to the uroporphyrinogen decarboxylase family.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 71051616                                                       |
| NCBI GeneID                      | 7389                                                           |
| NCBI Accession #                 | NP_000365.3                                                    |
| NCBI GenBank Nucleotide #        | NM_000374.5                                                    |
| UniProt Accession #              | P06132; Q16863; Q16883; Q53YB8; Q53ZP6; Q6IB28; Q9BUZ0; A8K762 |
| Molecular Weight                 | Observed: 40 kDa<br>Predicted: 41 kDa                          |
| NCBI Official Full Name          | uroporphyrinogen decarboxylase                                 |
| NCBI Official Synonym Full Names | uroporphyrinogen decarboxylase                                 |
| NCBI Official Symbol             | UROD                                                           |
| NCBI Official Synonym Symbols    | PCT; UPD                                                       |
| NCBI Protein Information         | uroporphyrinogen decarboxylase                                 |
| UniProt Protein Name             | Uroporphyrinogen decarboxylase                                 |
| UniProt Gene Name                | UROD                                                           |
| UniProt Synonym Gene Names       | UPD; URO-D                                                     |

**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.

