

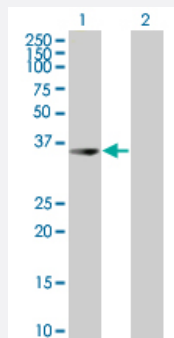
MaxPab®

# UROD MaxPab mouse polyclonal antibody (B02)

Catalog # H00007389-B02

Size 50 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of UROD expression in transfected 293T cell line ([H00007389-T01](#)) by UROD MaxPab polyclonal antibody.

Lane 1: UROD transfected lysate(40.37 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human UROD protein.

### Immunogen

UROD (AAH01778, 1 a.a. ~ 367 a.a) full-length human protein.

### Sequence

MEANGLGPQGFPPELKNDTFLRAAWGEETDYTPVWCMRQAGRYLPEFRETRAQDFFSTCRSPE  
ACCELTQLPLRRFPLDAAIFSDILVVPQALGMEVTMVPKGPSFPEPLREEQDLERLRDPEVVA  
SELG YVFQA ITLTRQRLAGRVPLIGFAGAPWTLMTYMVEGGGSSTMAQAKRWLYQRPQASHQLLR  
ILTDALVPYLVGQV VAGAQA LQLFESHAGHLGPQLFNKFALPYIRDVAKQVKARLREAGLAPVPMII  
FAKDGHFALEELA QAGYEVVGLDWTVPKKARECVGKTVTLQVNLDPICALYASEEEIGQLVKQM  
LDDFGPHRYIANLGHGLYPMDPEHVGAFVDAVHKHSRLLRQN

### Host

Mouse

### Reactivity

Human

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

### Storage Buffer

No additive

### Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

## Gene Info — UROD

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">7389</a> |
|---------------|----------------------|

|                     |                          |
|---------------------|--------------------------|
| GeneBank Accession# | <a href="#">BC001778</a> |
|---------------------|--------------------------|

|                    |                          |
|--------------------|--------------------------|
| Protein Accession# | <a href="#">AAH01778</a> |
|--------------------|--------------------------|

|           |      |
|-----------|------|
| Gene Name | UROD |
|-----------|------|

|            |     |
|------------|-----|
| Gene Alias | PCT |
|------------|-----|

|                  |                                |
|------------------|--------------------------------|
| Gene Description | uroporphyrinogen decarboxylase |
|------------------|--------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">176100</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | 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. [provided by RefSeq] |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Other Designations | OTTHUMP00000010502 fifth enzyme of heme biosynthetic pathway fifth enzyme of the heme biosynthetic pathway uroporphyrinogen III decarboxylase |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

## Publication Reference

- [Prognostic Significance of UROD Expression on Cervical Cancer With Radiation Therapy.](#)

Kawanaka T, Emma I, Christine H, Fei-Fei L.

International Journal of Radiation Oncology\*Biophysics 2013 Oct; 87:S130.

Application: IHC-P, Human, Cervical Cancer

## Pathway

- [Porphyrin and chlorophyll metabolism](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)