

MaxPab®

# SRD5A2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006716-B01P

Size 500 ug

## Specification

|                               |                                                                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human SRD5A2 protein.                                                                                                                                                                                         |
| Immunogen                     | SRD5A2 (ADR82875.1, 1 a.a. ~ 254 a.a) full-length human protein.                                                                                                                                                                                                     |
| Sequence                      | MQVQCQQSPVLGASATLVALGALALYAKPSGYGKHTESLKPAATRLPARAAWFLQELPSFAVP<br>AGILARQPLSLFGPPGTVLLGLFCLHYFHRTFVYSLNLRGRYPAILLRGTAFCTGNGVLQGYLYC<br>AEYPDGWYTDIRFSLGVFLFILMGINIHSYILRQLRKPGEISYRIPQGGFLTYSVSGANFLGEIIEWIGY<br>ALATWSLPALAFAFFSLCFLGLRAFHHHRFYLKMFEDYPKSRKALIPFIF |
| Host                          | Mouse                                                                                                                                                                                                                                                                |
| Reactivity                    | Human                                                                                                                                                                                                                                                                |
| Interspecies Antigen Sequence | Mouse (75); Rat (78)                                                                                                                                                                                                                                                 |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                              |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                    |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                             |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

## Gene Info — SRD5A2

Entrez GeneID

[6716](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">HQ258121.1</a>                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">ADR82875.1</a>                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | SRD5A2                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Alias          | MGC138457                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)                                                                                                                                                                                                                                                                              |
| Omim ID             | <a href="#">264600 607306</a>                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                         |
| Gene Summary        | This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH). [provided by RefSeq] |
| Other Designations  | 3-oxo-5 alpha-steroid 4-dehydrogenase 2 steroid 5-alpha-reductase 2                                                                                                                                                                                                                                                                                                               |

## Pathway

- [Androgen and estrogen metabolism](#)
- [Prostate cancer](#)

## Disease

- [Adenocarcinoma](#)
- [Alopecia](#)
- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Fibroadenoma](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hirsutism](#)
- [Hypospadias](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Male pattern baldness](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)

- [Oligospermia](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Sex determination](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urination Disorders](#)