

DNAxPAb

Hard-to-Find  
Antibody

# AKR1A1 DNAxPAb

Catalog # H00010327-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human AKR1A1 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                               |
| <b>Technology</b>              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>                | MAASCVLLHTGQKMPLIGLGTWKSEPGQVKA AVKYALSVGYRHIDCAA YGNEPEIGEALKEDVG<br>PGKAVPREELFVTSKLWNTKHHPEDVEPALRKT LADLQLEYLDLYLMHWPYAFERGDNPFPKNA<br>DGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQIDILSVASVRPAVLQVECHPYLAQNE<br>LIAHCQARGLEVTAYSPLGSSDRAWRPDEPVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICI<br>PKSITPSRILQNIKVFDFTFSP EEMKQLNALNKNWRYVPMLTVDGKRVPRDAGHPLYPFNDPY |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                                                             |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                              |

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — AKR1A1

Entrez GeneID [10327](#)

GeneBank Accession# [NM\\_006066.2](#)

Protein Accession# [NP\\_006057.1](#)

Gene Name AKR1A1

Gene Alias ALDR1, ALR, ARM, DD3, MGC12529, MGC1380

Gene Description aldo-keto reductase family 1, member A1 (aldehyde reductase)

Omim ID [103830](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Alternative splicing of this gene results in two transcript variants encoding the same protein. [provided by RefSeq]

**Other Designations** OTTHUMP00000009240|OTTHUMP00000009241|alcohol dehydrogenase|aldehyde reductase|aldo-keto reductase family 1, member A1|dihydrodiol dehydrogenase 3

## Pathway

- [Caprolactam degradation](#)
- [Glycerolipid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)

## Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)