

## PRODUCT SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                | Anti-AKR1A1                                                                                                                                                                                                                                                                               |
| Product Number              | HPA019649                                                                                                                                                                                                                                                                                 |
| Gene Description            | aldo-keto reductase family 1, member A1 (aldehyde reductase)                                                                                                                                                                                                                              |
| Clonality                   | Polyclonal                                                                                                                                                                                                                                                                                |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                       |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                    |
| Antigen Sequence            | Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence:<br>NPFPPKNADGTICYDSTHYKETWKALEALVAKGLVQALGLSNFNSRQIDDI<br>LSVASVRPAVLQVECHPYLAQNELIAH                                                                                                                                 |
| Purification Method         | Affinity purified using the PrEST antigen as affinity ligand                                                                                                                                                                                                                              |
| Verified Species Reactivity | Human                                                                                                                                                                                                                                                                                     |
| Recommended Applications    | IHC (Immunohistochemistry)<br>- Antibody dilution: 1:200 - 1:500<br>- Retrieval method: HIER pH6<br>WB (Western Blot)<br>- Working concentration: 0.04-0.4 µg/ml<br>ICC-IF (Immunofluorescence)<br>- Fixation/Permeabilization: PFA/Triton X-100<br>- Working concentration: 0.25-2 µg/ml |
| Characterization Data       | Available at <a href="https://atlasantibodies.com/products/HPA019649">atlasantibodies.com/products/HPA019649</a>                                                                                                                                                                          |
| Buffer                      | 40% glycerol and PBS (pH 7.2). 0.02% sodium azide is added as preservative.                                                                                                                                                                                                               |
| Concentration               | Lot dependent                                                                                                                                                                                                                                                                             |
| Storage                     | Store at +4°C for short term storage. Long time storage is recommended at -20°C.                                                                                                                                                                                                          |
| Notes                       | Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.<br>For protocols, additional product information, such as images and references, see <a href="https://atlasantibodies.com">atlasantibodies.com</a> .                  |

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