

## Anti-AKR1C3 antibody (1-323) (STJ115529)

### GENERAL INFORMATION

|               |                    |
|---------------|--------------------|
| Product Type  | Primary antibodies |
| Applications  | WB/IHC-P/ELISA     |
| Host / Source | Rabbit             |
| Reactivity    | Human/Mouse/Rat    |

### PRODUCT PROPERTIES

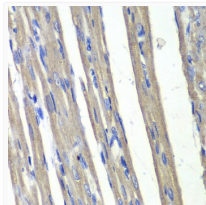
|                     |   |
|---------------------|---|
| Clonality           | Polyclonal  |
| Concentration       | Lot specific  |
| Conjugation         | Unconjugated  |
| Purification        | Affinity purification   |
| Dilution Range      | WB:1:1000-1:5000<br>IHC-P:1:50-1:200<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.  |
| Isotype             | IgG   |
| Molecular Weight    | Protein Mw: 37kDa<br>Observed Mw: 37kDa   |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.  |

### TARGET INFORMATION

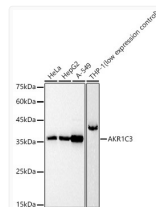
|                    |   |
|--------------------|---|
| Gene ID            | <a href="#">8644</a>  |
| Gene Symbol        | <a href="#">AKR1C3</a>  |
| UniProt ID         | <a href="#">AK1C3_HUMAN</a>   |
| Immunogen Region   | 1-323   |
| Immunogen Sequence | MDSKHQCVKLNDGHFMPVLG FGTYAPPEVPRSKALEVTKL AIEAGFRHIDSAHLYNNEEQ<br>VGLAIRSKIADGSVKREDIF YTSKLWSTFHRPELVYRPALE NSLKKQAQLDYVDLYLIHSPM<br>SLKPGEEISPTDENGKVFID IVDLCTTWEAMEKCKDAGLA KSIGVSNFNRRQLEMILNKP<br>GLKYKPVCNQVECHPYFNRS KLLDFCKSKDIVLVAYSALG SQRDKRWVDPNSPVLLDEP |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-323 of human AKR1C3 (NP_003730.4).  |

### ADDITIONAL INFORMATION

Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



Immunohistochemistry analysis of paraffin-embedded rat heart using AKR1C3 antibody (STJ115529) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates, using AKR1C3 antibody (STJ115529) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ500856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.