Datasheet for ABIN7305952

# anti-AKR7A2 antibody

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | AKR7A2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This AKR7A2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant full length protein of human AKR7A2 |
| Specificity: | Recognizes endogenous levels of AKR7A2 protein. |
| Characteristics: | Rabbit polyclonal antibody to AKR7A2 |
| Purification: | The antibody was purified by immunogen affinity chromatography. |

## Target Details

| | |
|---|---|
| Target: | AKR7A2 |
| Alternative Name: | AKR7A2 (AKR7A2 Products) |
| Background: | AFAR, AFAR1, AKR7, Aflatoxin B1 aldehyde reductase member 2, AFB1 aldehyde reductase 1, AFB1-AR 1, Aldoketoreductase 7, Succinic semialdehyde reductase, SSA reductase |

## Target Details

| | |
|---|---|
| Gene ID: | 8574, 110198, 171445 |
| UniProt: | O43488, Q8CG76, Q8CG45 |

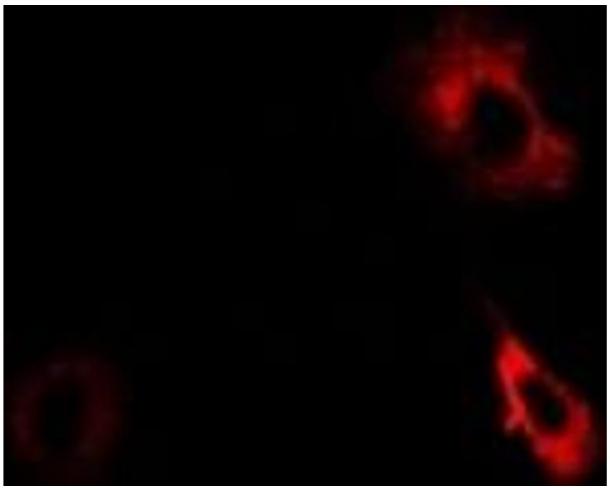
## Application Details

| | |
|---|---|
| Application Notes: | WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:10 - 1:100) |
| Restrictions: | For Research Use only |

## Handling

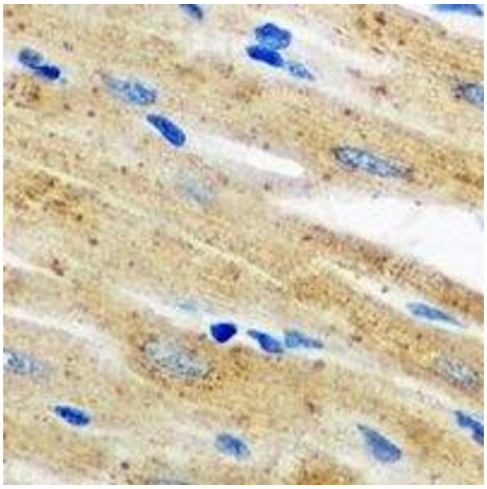
| | |
|---|---|
| Format: | Liquid |
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |
| Expiry Date: | 12 months |

## Images



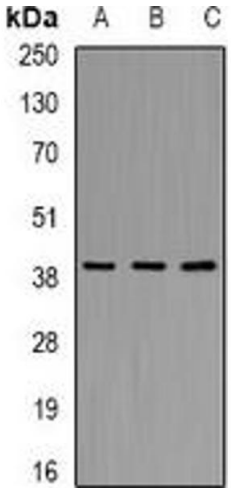
**Immunofluorescence**

**Image 1.** Immunofluorescent analysis of AKR7A2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody



## Immunohistochemistry

**Image 2.** Immunohistochemical analysis of AKR7A2 staining in mouse heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the




## Western Blotting

**Image 3.** Western blot analysis of AKR7A2 expression in ES2 (A), mouse kidney (B), mouse liver (C) whole cell lysates.