

# IHCeasy® AKR7A2 Ready-To-Use IHC Kit

Catalog Number: **KHC3143**

## General Information

|                             |  |
|-----------------------------|--|
| Sample type:<br>FFPE tissue | Assay type:<br>Immunohistochemistry                      |
| Cited sample type:          | Primary antibody type:                                   |
| Reactivity:<br>Human, Mouse | Rabbit Polyclonal  |
| Cited Reactivity:           | Secondary antibody type:<br>Polymer-HRP-Goat anti-Rabbit |

## Kit Component

| Component                | Size               | Concentration |
|--------------------------|--------------------|---------------|
| Antigen Retrieval Buffer | 100 mL             | 50×           |
| Washing Buffer           | 100 mL ×2          | 20×           |
| Blocking Buffer          | 5 mL               | RTU           |
| Primary Antibody         | 5 mL               | RTU           |
| Secondary Antibody       | 5 mL               | RTU           |
| Chromogen Component A    | 0.2 mL             | RTU           |
| Chromogen Component B    | 4 mL               | RTU           |
| Signal Enhancer          | 5 mL               | RTU           |
| Counter Staining Reagent | 5 mL               | RTU           |
| Mounting Media           | 5 mL               | RTU           |
| Control Slide            | 1 slide (Optional) | FFPE          |
| Datasheet                | 1 Copy             |               |
| Manual                   | 1 Copy             |               |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

AKR7A2(Aflatoxin B1 aldehyde reductase member 2) is also named as AFAR, AFAR1, AKR7 and belongs to the aldo/keto reductase family. AKR7A2 enzyme is catalytically active toward aldehydes arising from lipid peroxidation, suggesting a potential role against the consequences of oxidative stress, and representing an important detoxication route in mammalian cells.

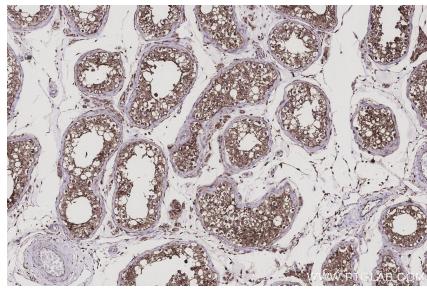
## Synonyms

AFAR, AFB1 AR 1, AFB1 AR1, AFB1-AR 1, AKR7

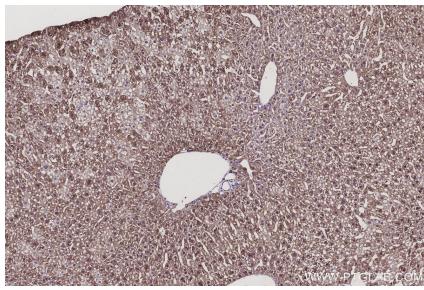
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using KHC3143 (AKR7A2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC3143 (AKR7A2 IHC Kit).