

For Research Use Only

# AKR7A3 Polyclonal antibody

Catalog Number: 13209-1-AP

1 Publications



## Basic Information

Catalog Number:

13209-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3991

GenBank Accession Number:

BC025709

GeneID (NCBI):

22977

UNIPROT ID:

O95154

Full Name:

aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)

Calculated MW:

331 aa, 37 kDa

Observed MW:

37 kDa and 55-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

rat

Positive Controls:

WB : human liver tissue, HepG2 cells, human brain tissue, NIH/3T3 cells

## Background Information

AKR7A3 belongs to the aldo-keto reductase (AKR) superfamily, whose primary role is to reduce aldehydes and ketones to generate primary and secondary alcohols, respectively. These enzymes have been shown to play crucial roles in drug metabolism, carcinogen metabolism, and cellular metabolism. Growing evidence suggests that AKR7A3 can play an essential role in the occurrence of cancers, including breast and liver cancers. (PMID: 36951402)

## Notable Publications

Author	Pubmed ID	Journal	Application
Keiko Taguchi	27071940	Toxicol Sci	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

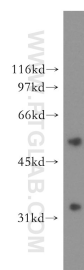
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## Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 13209-1-AP (AKR7A3 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.