

# AKR1C2 Rabbit Polyclonal Antibody

Catalog No: #53172



Package Size: #53172-1 50ul #53172-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

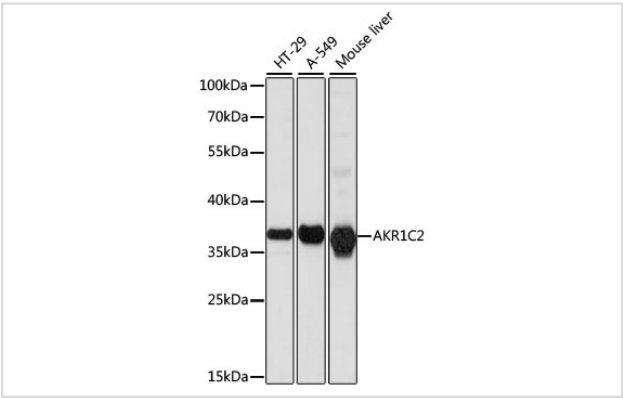
## Description

Product Name	AKR1C2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human AKR1C2 (NP_995317.1).
Conjugates	Unconjugated
Other Names	AKR1C2;AKR1C-pseudo;BABP;DD;DD-2;DD/BABP;DD2;DDH2;HAKRD;HBAB;MCDR2;SRXY8;TDD
Accession No.	Uniprot:P52895GenelD:1646
Calculated MW	15kDa/36kDa
SDS-PAGE MW	37kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

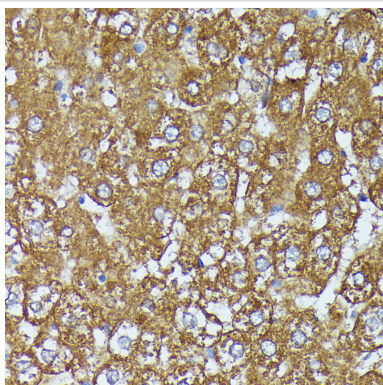
## Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:100

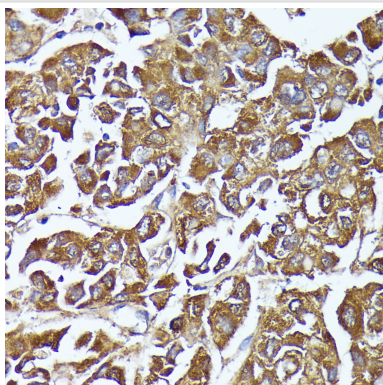
## Images



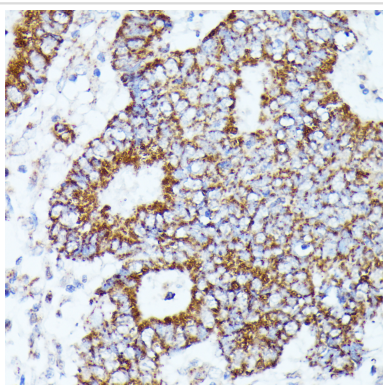
Western blot analysis of extracts of various cell lines, using AKR1C2 antibody.



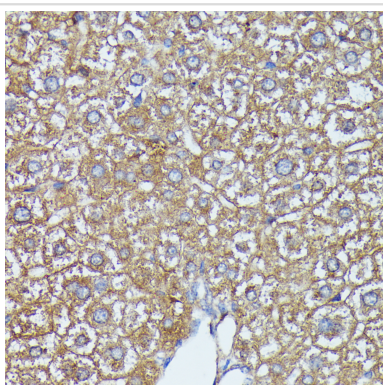
Immunohistochemistry of paraffin-embedded rat liver using AKR1C2 Rabbit pAb.



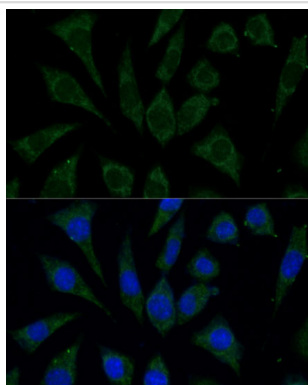
Immunohistochemistry of paraffin-embedded human liver cancer using AKR1C2 Rabbit pAb.



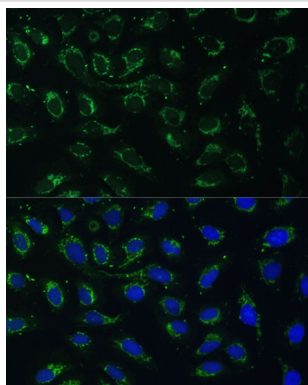
Immunohistochemistry of paraffin-embedded human Colon cancer using AKR1C2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse liver using AKR1C2 Rabbit pAb.



Immunofluorescence analysis of L929 cells using AKR1C2 Polyclonal Antibody.



Immunofluorescence analysis of U-2 OS cells using AKR1C2 Polyclonal Antibody.

## Background

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3- $\alpha$ -hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.