

AKR1A1 Antibody



PACO48226

Product Information

Size:

50ug

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:2000-1:10000,
IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Catalyzes the NADPH-dependent reduction of a variety of aromatic and aliphatic aldehydes to their corresponding alcohols. Catalyzes the reduction of mevaldate to mevalonic acid, and of glyceraldehyde to glycerol. Has broad substrate specificity. In vitro substrates include succinic semialdehyde, 4-nitrobenzaldehyde, 1,2-naphthoquinone, methylglyoxal, and D-glucuronic acid. Plays a role in the activation of procarcinogens, such as polycyclic aromatic hydrocarbon trans-dihydrodiols, and in the metabolism of various xenobiotics and drugs, including the anthracyclines doxorubicin (DOX) and daunorubicin (DAUN).

Gene ID:

AKR1A1

Uniprot

P14550

Synonyms:

Alcohol dehydrogenase [NADP(+)] (EC 1.1.1.2) (Aldehyde reductase) (Aldo-keto reductase family 1 member A1), AKR1A1, ALDR1 ALR

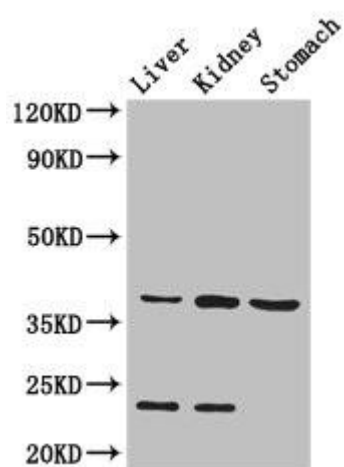
Immunogen:

Recombinant Human Alcohol dehydrogenase [NADP(+)] protein (2-325AA).

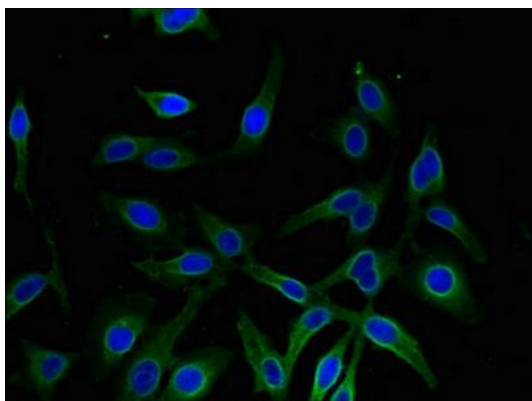
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

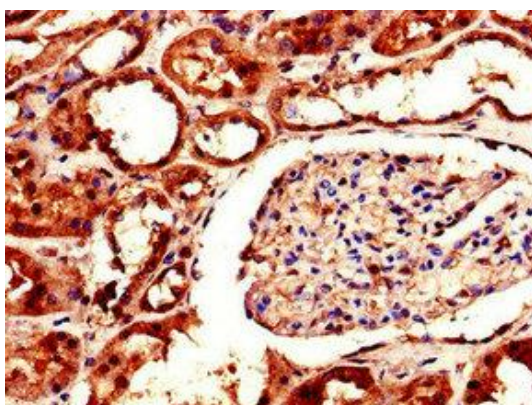
Product Images



Western Blot. Positive WB detected in: Mouse liver tissue, Mouse kidney tissue, Mouse stomach tissue. All lanes: Akr1a1 antibody at 2.8 μ g/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 37 kDa. Observed band size: 37, 23 kDa.



Immunofluorescent analysis of HeLa cells using PACO48226 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human kidney tissue using PACO48226 at dilution of 1:100.