

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000,
IHC:1:20-1:200

Protein Background:

Catalyzes the NADPH-dependent reduction of succinic semialdehyde to gamma-hydroxybutyrate. May have an important role in producing the neuromodulator gamma-hydroxybutyrate (GHB). Has broad substrate specificity. Has NADPH-dependent aldehyde reductase activity towards 2-carboxybenzaldehyde, 2-nitrobenzaldehyde and pyridine-2-aldehyde (in vitro). Can reduce 1,2-naphthoquinone and 9,10-phenanthrenequinone (in vitro). Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen.

Gene ID:

AKR7A2

Uniprot

O43488

Synonyms:

Aflatoxin B1 aldehyde reductase member 2 (EC 1.1.1. n11) (AFB1 aldehyde reductase 1) (AFB1-AR 1) (Aldoketoreductase 7) (Succinic semialdehyde reductase) (SSA reductase), AKR7A2, AFAR AFAR1 AKR7

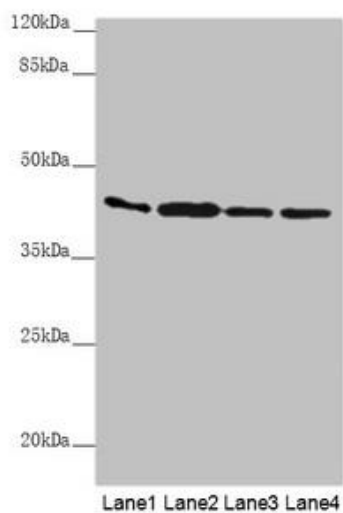
Immunogen:

Recombinant Human Aflatoxin B1 aldehyde reductase member 2 protein (100-359AA).

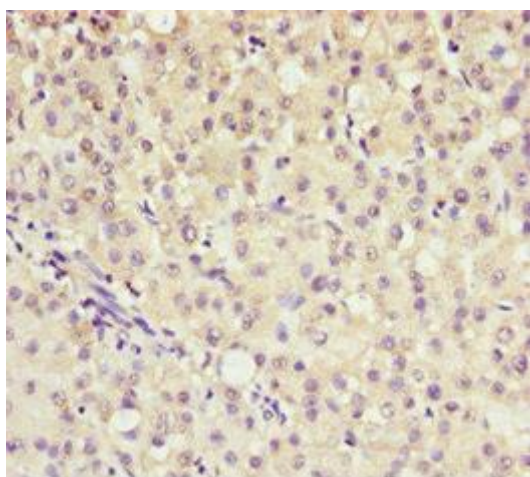
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

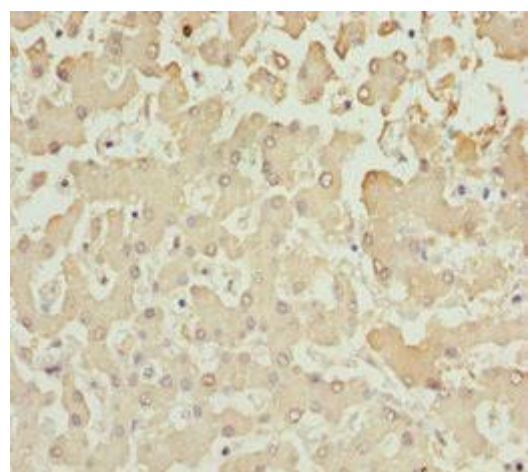
Product Images



Western blot. All lanes: AKR7A2 antibody at 0.88 μ g/ml. Lane 1: Mouse small intestine tissue. Lane 2: Mouse liver tissue. Lane 3: Mouse gonadal tissue. Lane 4: A431 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 40 kDa. Observed band size: 40 kDa.



Immunohistochemistry of paraffin-embedded human liver cancer using PACO44901 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human liver tissue using PACO44901 at dilution of 1:100.