

anti- AKR7A2 antibody

Product Information

Catalog No.:	FNab00266
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

The protein encoded by this gene belongs to the aldo/keto reductase (AKR) superfamily and AKR7 family, which are involved in the detoxification of aldehydes and ketones. The AKR7 family consists of 3 genes that are present in a cluster on the p arm of chromosome 1. This protein, thought to be localized in the golgi, catalyzes the NADPH-dependent reduction of succinic semialdehyde to the endogenous neuromodulator, gamma-hydroxybutyrate. It may also function as a detoxication enzyme in the reduction of aflatoxin B1 and 2-carboxybenzaldehyde. Alternative splicing results in multiple transcript variants.

Immunogen information

Immunogen:	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
Synonyms:	AFAR, AFAR1, AFB1 aldehyde reductase 1, AFB1 AR 1, AFB1 AR1, AKR7, AKR7A2, Aldoketoreductase 7, SSA reductase
Observed MW:	40 kDa
Uniprot ID :	O43488

Application

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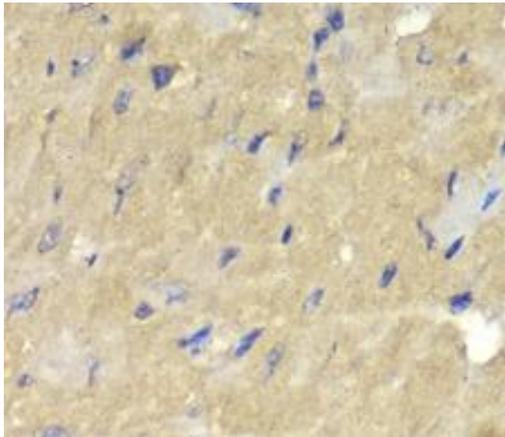
www.fn-test.com

Reactivity: Human, Mouse

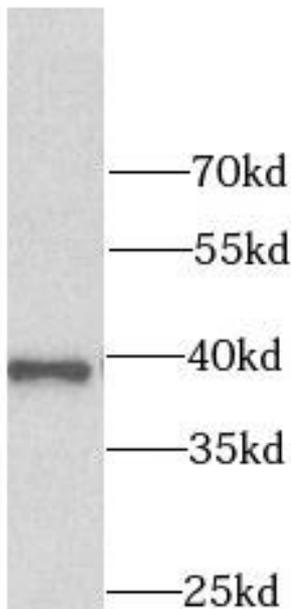
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:10 - 1:100

Image:



Immunohistochemistry of paraffin-embedded mouse heart using FNab00266(AKR7A2 antibody) at dilution of 1:100



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab00266(AKR7A2 antibody) at dilution of 1:1000