

DATASHEET

AKR7A3 Rabbit Polyclonal Antibody

CAT. NO. APA13238

KEY FEATURES

Target	AKR7A3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Catalyzes the NADPH-dependent reduction of various carbonyl-containing compounds, including aldehydes, ketones, and toxic products from cellular metabolism or environmental exposure. Can reduce the dialdehyde form of aflatoxin B1 (AFB1) into alcohol derivatives, via monoaldehydes intermediates. Can reduce the dialdehyde form of aflatoxin B1 (AFB1) into alcohol derivatives, via monoaldehydes intermediates, thus preventing the formation of protein adducts that contribute to AFB1-induced toxicity.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

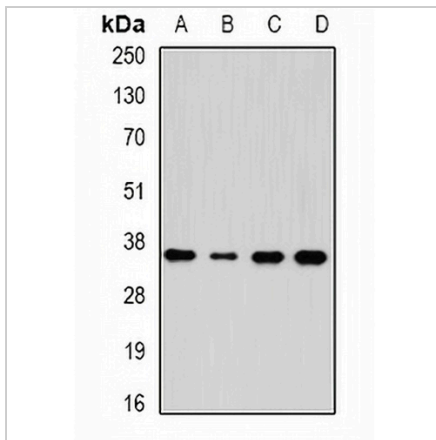
Description	Rabbit polyclonal antibody to AKR7A3
Specificity	Recognizes endogenous levels of AKR7A3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AKR7A3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 37 kD; Observed: 37 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AFAR2; Aflatoxin B1 aldehyde reductase member 3; AFB1 aldehyde reductase 2; AFB1-AR 2
Gene Symbol	AKR7A3
Entrez Gene	22977(Human); 26760(Rat)
SwissProt	O95154(Human); P38918(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of AKR7A3 expression in HepG2 (A), HT29 (B), mouse kidney (C), mouse liver (D) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 37 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.