

DATASHEET

AKR1B10 Rabbit Polyclonal Antibody

CAT. NO. APA13160

KEY FEATURES

Target	AKR1B10	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 a wide variety of carbonyl-containing compounds to their corresponding alcohols . Displays strong enzymatic activity toward all-trans-retinal, 9-cis-retinal, and 13-cis-retinal . Plays a critical role in detoxifying dietary and lipid-derived unsaturated carbonyls, such as crotonaldehyde, 4-hydroxynonenal, trans-2-hexenal, trans-2,4-hexadienal and their glutathione-conjugates carbonyls (GS-carbonyls) . Displays no reductase activity towards glucose .

APPLICATION

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

WB	1:500 - 1:2000
----	----------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

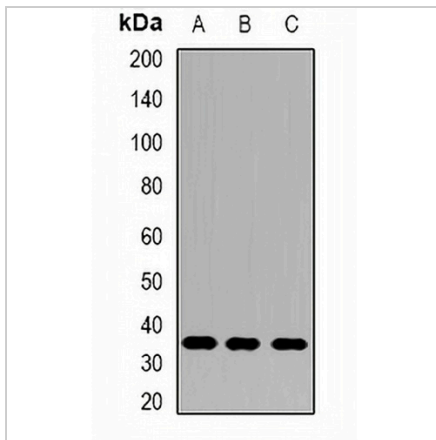
Description	Rabbit polyclonal antibody to AKR1B10
Specificity	Recognizes endogenous levels of AKR1B10 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AKR1B10
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 36 kD; Observed: 36 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	AKR1B11; Aldo-keto reductase family 1 member B10; ARL-1; Aldose reductase-like; Aldose reductase-related protein; ARP; hARP; Small intestine reductase; SI reductase
Gene Symbol	AKR1B10
Entrez Gene	57016(Human)
SwissProt	O60218(Human)

*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.

DATASHEET**AKR1B10 Rabbit Polyclonal Antibody**

CAT. NO. APA13160

DATA

Western blot analysis of AKR1B10 expression in HEK293T (A), mouse liver (B), mouse kidney (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 36 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.