

Datasheet for ABIN926427  
**anti-AKR1C1 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	AKR1C1 (DDH)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	AKR1 C1 antibody was raised in rabbit using the N terminal of AKR1 1 as the immunogen
Purification:	Purified

## Target Details

Target:	AKR1C1 (DDH)
Alternative Name:	AKR1C1 ( <a href="#">DDH Products</a> )
Background:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares

## Target Details

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high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Synonyms: Polyclonal AKR1C1 antibody, Anti-AKR1C1 antibody, aldo-keto reductase family 1, member C1, dihydrodiol dehydrogenase 1, 20-alpha, 3-alpha-hydroxysteroid dehydrogenase antibody, 2-ALPHA-HSD antibody, 20-ALPHA-HSD antibody, C9 antibody, DD1 antibody, DDH antibody, DDH1 antibody, H-37 antibody, HAKRC antibody, MBAB antibody, MGC8954 antibody.

Pathways: [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#)

## Application Details

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Application Notes: WB: 0.2-1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: AKR1C1 Blocking Peptide, catalog no. 33R-4926, is also available for use as a blocking control in assays to test for specificity of this AKR1C1 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

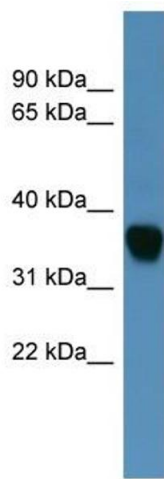
Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



### Western Blotting

**Image 1.** Western Blot showing AKR1C1 antibody used at a concentration of 1-2 ug/ml to detect its target protein.