

Datasheet for ABIN2788589

**anti-AKR1D1 antibody (Middle Region)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	AKR1D1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Rabbit, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1D1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AKR1D1
Sequence:	YVDLYIIIEVP MAFKPGDEIY PRDENGKWLY HKSNL CATWE AMEACKDAGL
Predicted Reactivity:	Cow: 86%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 92%, Pig: 86%, Rabbit: 100%, Rat: 77%
Characteristics:	This is a rabbit polyclonal antibody against AKR1D1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	AKR1D1
Alternative Name:	AKR1D1 ( <a href="#">AKR1D1 Products</a> )
Background:	The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile

## Target Details

acid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. Three transcript variants encoding different isoforms have been found for this gene. Other variants may be present, but their full-length natures have not been determined yet.

Alias Symbols: 3o5bred, CBAS2, SRD5B1

Protein Size: 326

Molecular Weight:	37 kDa
Gene ID:	6718
NCBI Accession:	<a href="#">NM_005989</a> , <a href="#">NP_005980</a>
UniProt:	<a href="#">P51857</a>
Pathways:	<a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 326 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

**Image 1.** WB Suggested Anti-AKR1D1 Antibody Titration:  
1.0 ug/ml Positive Control: RPMI-8226 Whole Cell