

Datasheet for ABIN2788589

anti-AKR1D1 antibody (Middle Region)





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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:	YVDLYIIEVP MAFKPGDEIY PRDENGKWLY HKSNLCATWE 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 (AKR1D1 Products)
Background:	The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile

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: NM_005989, NP_005980

UniProt: P51857

Pathways: Steroid Hormone Biosynthesis, C21-Steroid Hormone Metabolic Process, Monocarboxylic Acid

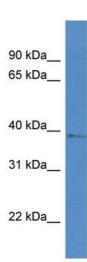
Catabolic Process

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