

## ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes AKR1A1 / Aldehyde Reductase
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	Both reported variants (NP_006057.1 and NP_697021.1) represent identical protein
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AKR1A1 / Aldehyde Reductase
Species	Human
Immunogen	C-DAGHPLYPFNDPY
Conjugation	Un-conjugated
Alternate Names	DD3; Alcohol dehydrogenase [NADP]; Aldo-keto reductase family 1 member A1; ALDR1; Aldehyde reductase; HEL-S-6; EC 1.1.1.2; ALR; ARM

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 10327 Human](#)

[Swiss-port # P14550 Human](#)

#### Background

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein. [provided by RefSeq, Jan 2011]

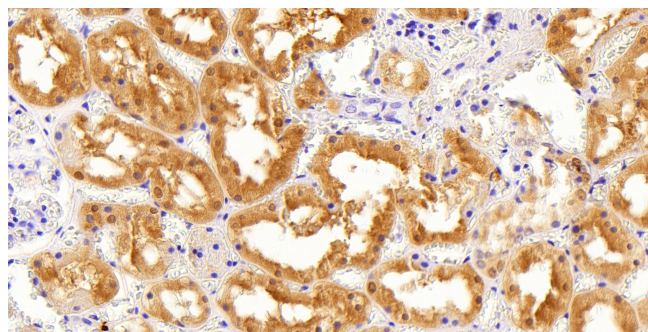
#### Research Area

Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

#### Calculated Mw

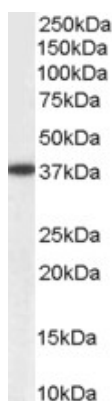
37 kDa

## Images



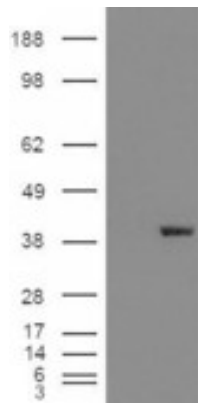
ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody at 5 µg/ml dilution followed by HRP-staining.



ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody WB image

Western blot: Human liver lysate (35 µg protein in RIPA buffer) stained with ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody at 0.1 µg/ml dilution.



ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody WB image

Western blot: 1). Mock transfection; 2) AKR1A1 (RC200302) expressing plasmid transfected HEK293 cell lysate stained with ARG63468 anti-AKR1A1 / Aldehyde Reductase antibody