

## AKR1A1 Antibody

Catalog No: #31277

Package Size: #31277-1 50ul #31277-2 100ul

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## Description

Product Name	AKR1A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total AKR1A1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 312-324 amino acids of human aldo-keto reductase family 1, member A1 (aldehyde reductase)
Target Name	AKR1A1
Other Names	Aldo-keto reductase family 1, member A1 (aldehyde reductase), ALR; ARM; DD3; ALDR1
Accession No.	Swiss-Prot:P14550Gene ID:10327;
Uniprot	P14550
GeneID	10327;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

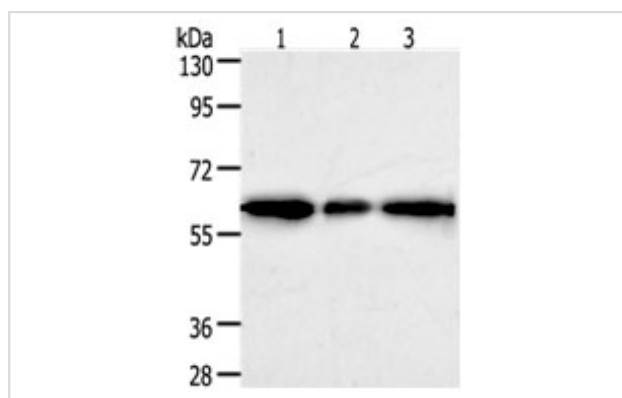
Predicted MW: 37kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 10%SDS-PAGE

Lane1: Human liver cancer tissue lysate

Lane2: HeLa cell lysate

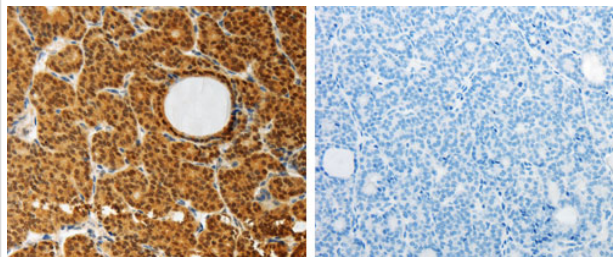
Lane3: 293T cell lysate

Lysates: 27 ug per lane

Primary antibody: 1/500 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 10 seconds



The image on the left is immunohistochemistry of paraffin-embedded human thyroid cancer tissue using 31277 (AKR1A1 Antibody) at dilution 1/30, on the right is treated with the synthetic peptide.

## 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.

Note: This product is for in vitro research use only