Product Datasheet

AKR1B1 Antibody

Catalog No: #31006

Package Size: #31006-1 50ul #31006-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	AKR1B1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total AKR1B1 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Full length fusion protein
Target Name	AKR1B1
Other Names	Aldose reductase, AR, ADR, ALR2, ALDR1
Accession No.	Swiss-Prot:P15121Gene ID:231;
Uniprot	P15121
GeneID	231;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

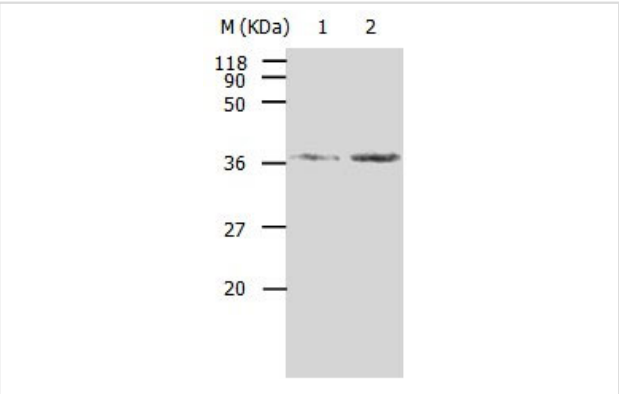
Predicted MW: 36kd

ELISA: 1:1000-1:5000

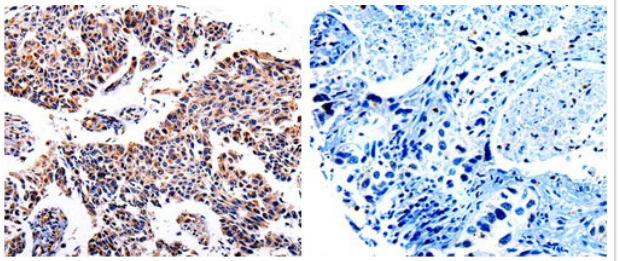
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lane1: Hela cell lysate
Lane2: 293T cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/350 dilution
Secondary antibody: Donkey anti Rabbit Iug - H&L (HRP) at 1/3000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 31006 (AKR1B1 Antibody) at dilution 1/40, on the right is treated with the fusion protein.

Background

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database.

Note: This product is for in vitro research use only