

## ALDOA Antibody

Catalog No: #31028

Package Size: #31028-1 50ul #31028-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	ALDOA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total ALDOA protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to C terminal 200 amino acids of human aldolase A, fructose-bisphosphate
Target Name	ALDOA
Other Names	Aldolase A, fructose-bisphosphate, ALDA; GSD12
Accession No.	Genbank No.: BC004333
Formulation	Supplied at 1mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

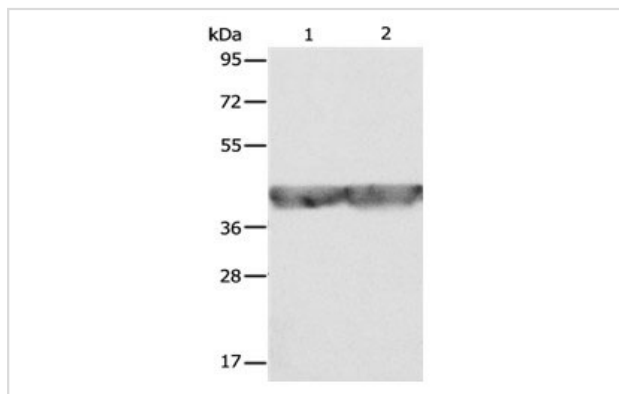
## Application Details

Predicted MW: 39kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

## Images



Gel: 10%SDS-PAGE  
 Lane1: A549 cell lysate  
 Lane2: HeLa cell lysate  
 Lysates: 40 ug per lane  
 Primary antibody: 1/500 dilution  
 Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution  
 Exposure time: 3 seconds

## Background

The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater

amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing and alternative promoter usage results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 3 and 10.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.