

For Research Use Only

# ALDH9A1 Monoclonal antibody

Catalog Number: 67372-1-Ig



## Basic Information

<b>Catalog Number:</b> 67372-1-Ig	<b>GenBank Accession Number:</b> BC151140	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1800 µg/ml	<b>GeneID (NCBI):</b> 223	<b>CloneNo.:</b> 3C5C9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P49189	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> aldehyde dehydrogenase 9 family, member A1	
<b>Immunogen Catalog Number:</b> AG24493	<b>Calculated MW:</b> 518 aa, 56 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HepG2 cells, HEK-293 cells, HeLa cells, Jurkat cells

IHC : human breast cancer tissue,

## Background Information

Aldehyde dehydrogenase 9 family member A1 (ALDH9A1), belongs to the aldehyde dehydrogenase family of proteins. ALDH9A1 has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. ALDH9A1 catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid. ALDH9A1 has 3 isoforms with the molecular mass of 46-56 kDa.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

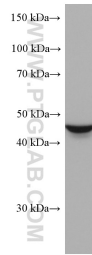
T: 4006900926

E: Proteintech-CN@ptglab.com

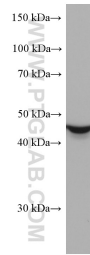
W: ptgcn.com

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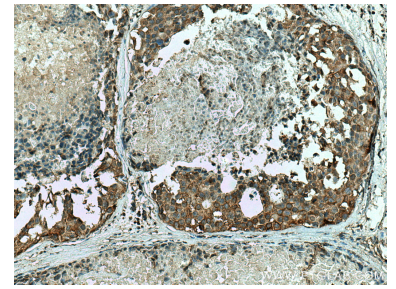
## Selected Validation Data



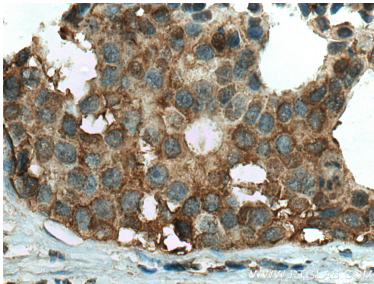
HEK-293 cells were subjected to SDS PAGE followed by western blot with 67372-1-Ig (ALDH9A1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 67372-1-Ig (ALDH9A1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67372-1-Ig (ALDH9A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67372-1-Ig (ALDH9A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).