

## ALDH9A1 Antibody

Catalog No: #37325

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

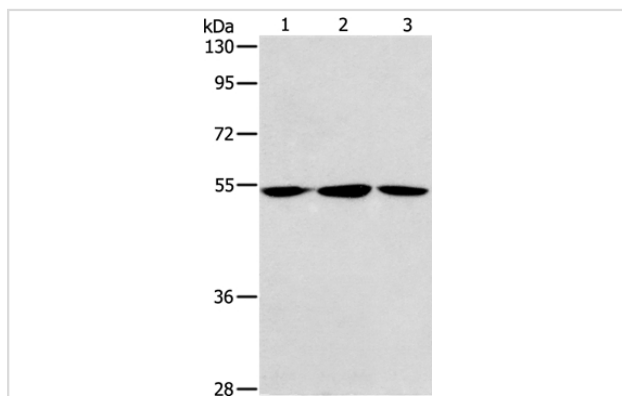
Product Name	ALDH9A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALDH9A1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human Aldehyde dehydrogenase 9 family, member A1
Target Name	ALDH9A1
Other Names	E3; ALDH4; ALDH7; ALDH9; TMABADH
Accession No.	Swiss-Prot#: P49189NCBI Gene ID: 223Gene Accssion: NP_000687
Uniprot	P49189
GeneID	223;
SDS-PAGE MW	54kd
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 8%SDS-PAGE

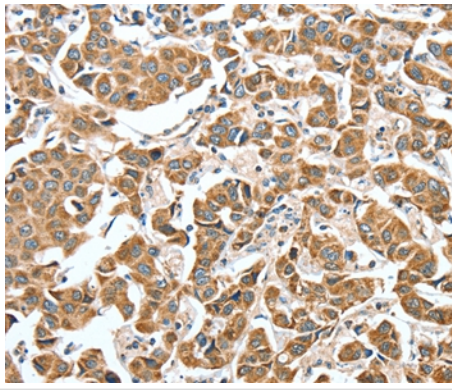
Lysates (from left to right): Human fetal liver tissue and hela cell, human fetal brain tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/240 dilution

Secondary antibody dilution: 1/8000

Exposure time: 30 seconds



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using #37325 at dilution 1/50.

## Background

This protein belongs to the aldehyde dehydrogenase family of proteins. It has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid (GABA). This isozyme is a tetramer of identical 54-kD subunits. Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine. Catalyzes the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction.

Note: This product is for in vitro research use only