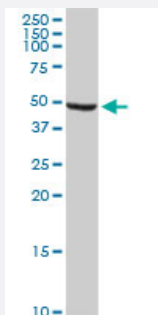


ALDH9A1 monoclonal antibody (M01), clone 3C6

Catalog # H00000223-M01

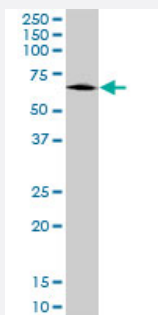
Size 100 ug

Applications



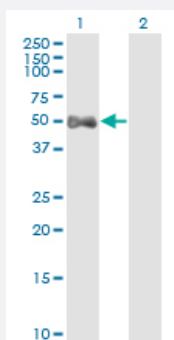
Western Blot (Tissue lysate)

ALDH9A1 monoclonal antibody (M01), clone 3C6. Western Blot analysis of ALDH9A1 expression in human liver.



Western Blot (Cell lysate)

ALDH9A1 monoclonal antibody (M01), clone 3C6. Western Blot analysis of ALDH9A1 expression in HeLa (Cat # L013V1).

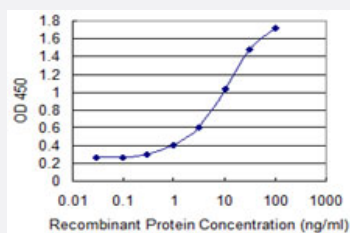


Western Blot (Transfected lysate)

Western Blot analysis of ALDH9A1 expression in transfected 293T cell line by ALDH9A1 monoclonal antibody (M01), clone 3C6.

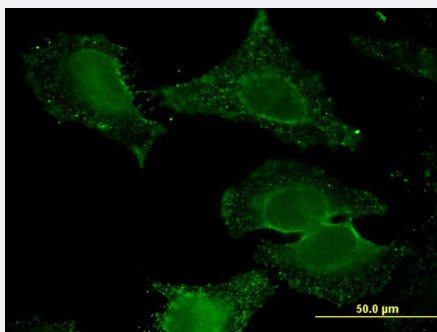
Lane 1: ALDH9A1 transfected lysate (Predicted MW: 53.8 KDa).

Lane 2: Non-transfected lysate.



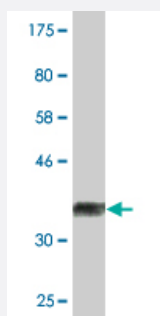
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALDH9A1 is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ALDH9A1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ALDH9A1.
Immunogen	ALDH9A1 (NP_000687, 173 a.a. ~ 270 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CGNAMVFKPSPFTPVSALLLAENYSEAGVPPGLFNVVQGGAATGQFLCQHPDVAKVSFTGSVPTGMKIMEMSAKGIKPVTLLELGGKSPLIIFSDCDMN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (90)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

ALDH9A1 monoclonal antibody (M01), clone 3C6. Western Blot analysis of ALDH9A1 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

ALDH9A1 monoclonal antibody (M01), clone 3C6. Western Blot analysis of ALDH9A1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ALDH9A1 expression in transfected 293T cell line by ALDH9A1 monoclonal antibody (M01), clone 3C6.

Lane 1: ALDH9A1 transfected lysate (Predicted MW: 53.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALDH9A1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ALDH9A1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ALDH9A1

Entrez GeneID [223](#)

GeneBank Accession# [NM_000696](#)

Protein Accession# [NP_000687](#)

Gene Name	ALDH9A1
Gene Alias	ALDH4, ALDH7, ALDH9, E3, TMABADH
Gene Description	aldehyde dehydrogenase 9 family, member A1
Omim ID	602733
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	4-trimethylaminobutyraldehyde dehydrogenase OTTHUMP00000032604 R-aminobutyraldehyde dehydrogenase aldehyde dehydrogenase (NAD+) aldehyde dehydrogenase 9A1 aldehyde dehydrogenase E3 isozyme gamma-aminobutyraldehyde dehydrogenase

Pathway

- [3-Chloroacrylic acid degradation](#)
- [Arginine and proline metabolism](#)
- [Ascorbate and aldarate metabolism](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Glycerolipid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Histidine metabolism](#)
- [Limonene and pinene degradation](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)

- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)