

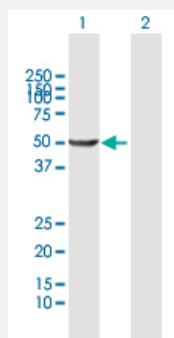
MaxPab®

ALDH5A1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00007915-D01

Size 100 uL

Applications

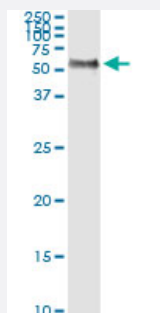


Western Blot (Transfected lysate)

Western Blot analysis of ALDH5A1 expression in transfected 293T cell line ([H00007915-T02](#)) by ALDH5A1 MaxPab polyclonal antibody.

Lane 1: ALDH5A1 transfected lysate(57.20 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of ALDH5A1 transfected lysate using anti-ALDH5A1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ALDH5A1 purified MaxPab mouse polyclonal antibody (B01P) ([H00007915-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ALDH5A1 protein.

Immunogen

ALDH5A1 (NP_001071.1, 1 a.a. ~ 535 a.a) full-length human protein.

Sequence	MATCWLRLSCGARRLGSTFPGCRLRPRAGGLVPASGPAPGPAQLRCYAGRLAGLSAALLRTDSF VGGRWLPAAATFPVQDPASGAALGMVADCGVREARAAYEAFCRWREVSAKERSLLRK WYNLMIQNKDDLARIITAESGKPLKEAHGEILYSAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQP IGVAAVITPWNFPSAMITRKVGAAALAGCTVVVKAEDTPFSALALAEASQAGIPSGVYNVIPCSR KNAKEVGEAICTDPLVSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFVFD SANVDQAVAG AMASKFRNTGQTCVCSNQFLVQRGIHDAFVKAF AEAMKKNLRVGNGFEEGTTQGPLINEKAVEK VEKQVND AVSKGATVVTGGKRHQLGKNFFEPTLLCNVTQDMLCTHEETFGPLAPVIKFDTEEEAI AIANAADVGLAGYFYSQDPAQMRVAEQLEVGMVGVNEGLISSVECPFGGVKQSGLGREGSKYGI DEYLELKYVCYGGGL
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ALDH5A1 expression in transfected 293T cell line ([H00007915-T02](#)) by ALDH5A1 MaxPab polyclonal antibody.

Lane 1: ALDH5A1 transfected lysate(57.20 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of ALDH5A1 transfected lysate using anti-ALDH5A1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ALDH5A1 purified MaxPab mouse polyclonal antibody (B01P) ([H00007915-B01P](#)).

[Protocol Download](#)

Gene Info — ALDH5A1

Entrez GeneID	7915
GeneBank Accession#	NM_001080.3
Protein Accession#	NP_001071.1
Gene Name	ALDH5A1

Gene Alias	SSADH, SSDH
Gene Description	aldehyde dehydrogenase 5 family, member A1
Omim ID	271980 610045
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenase family of proteins. This gene encodes a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme , known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	NAD(+)-dependent succinic semialdehyde dehydrogenase OTTHUMP00000016088 aldehyde dehydrogenase 5A1 mitochondrial succinate semialdehyde dehydrogenase succinate-semialdehyde dehydrogenase

Pathway

- [Alanine](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)

Disease

- [Cognition](#)
- [Cognition Disorders](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)

- [Wechsler Scales](#)