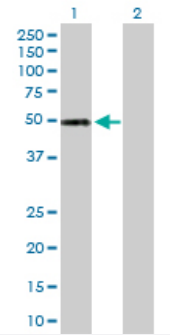
MaxPab®

ALDH5A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00007915-D01P Size 100 ug

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.

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	MATCIWLRSCGARRLGSTFPGCRLRPRAGGLVPASGPAPGPAQLRCYAGRLAGLSAALLRTDSF VGGRWLPAAATFPVQDPASGAALGMVADCGVREARAAVRAAYEAFCRWREVSAKERSSLLRK WYNLMIQNKDDLARIITAESGKPLKEAHGEILYSAFFLEWFSEEARRVYGDIIHTPAKDRRALVLKQP IGVAAVITPWNFPSAMITRKVGAALAAGCTVVVKPAEDTPFSALALAELASQAGIPSGVYNVIPCSR KNAKEVGEAICTDPLVSKISFTGSTTTGKILLHHAANSVKRVSMELGGLAPFIVFDSANVDQAVAG AMASKFRNTGQTCVCSNQFLVQRGIHDAFVKAFAEAMKKNLRVGNGFEEGTTQGPLINEKAVEK VEKQVNDAVSKGATVVTGGKRHQLGKNFFEPTLLCNVTQDMLCTHEETFGPLAPVIKFDTEEEAI AIANAADVGLAGYFYSQDPAQIWRVAEQLEVGMVGVNEGLISSVECPFGGVKQSGLGREGSKYGI DEYLELKYVCYGGL
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  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