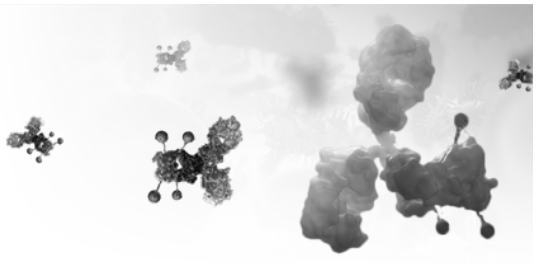

ALDH5A1 blocking peptide (CDBP5048)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ALDH5A1 aldehyde dehydrogenase 5 family, member A1 [Homo sapiens (human)]
Official Symbol	ALDH5A1
Synonyms	ALDH5A1; aldehyde dehydrogenase 5 family, member A1; SSDH; SSADH; succinate-semialdehyde dehydrogenase, mitochondrial; aldehyde dehydrogenase 5 family member A1; mitochondrial succinate semialdehyde dehydrogenase; NAD(+)-dependent succinic

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	semialdehyde dehydrogenase
Entrez Gene ID	7915
mRNA Refseq	NM_001080
Protein Refseq	NP_001071
UniProt ID	P51649
Pathway	Alanine; Butanoate metabolism; Degradation of GABA; GABA (gamma-Aminobutyrate) shunt; GABA synthesis; Neuronal System; Neurotransmitter Release Cycle; Transmission across Chemical Synapses
Function	protein homodimerization activity; succinate-semialdehyde dehydrogenase (NAD+) activity; succinate-semialdehyde dehydrogenase (NAD+) activity; succinate-semialdehyde dehydrogenase [NAD(P)+] activity

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