Datasheet for ABIN2776927

anti-ASL antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	ASL
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit, Dog, Goat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASL antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ASL
Sequence:	GATAGKLHTG RSRNDQVVTD LRLWMRQTCS TLSGLLWELI RTMVDRAEAE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against ASL. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ASL

Target Details

Alternative Name:	ASL (ASL Products)
Background:	ASL is a member of the lyase 1 family. The protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in its gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency.This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described. Alias Symbols: ASAL Protein Interaction Partner: WDYHV1, ASL, GINS4, NCDN, TUFM, PDHA1, NEDD8, HK1, GDI1, BAG3, OVGP1, HMOX1, FBP1, CSNK2A2, UBC, QARS, Protein Size: 464
Molecular Weight:	52 kDa
Gene ID:	435
NCBI Accession:	NM_000048, NP_000039
UniProt:	P04424
Pathways:	Response to Growth Hormone Stimulus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 464 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

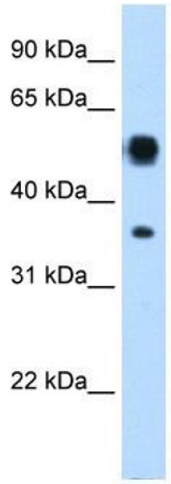
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Veerhuis, Boshuizen, Morbin, Mazzoleni, Hoozemans, Langedijk, Tagliavini, Langeveld, Eikelenboom: "Activation of human microglia by fibrillar prion protein-related peptides is enhanced by amyloid-associated factors SAP and C1q." in: **Neurobiology of disease**, Vol. 19, Issue 1-2, pp. 273-82, (2005) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-ASL Antibody Titration: 0.2-1 ug/ml Positive Control: Transfected 293T