

ASS1 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1671a

Specification

ASS1 Antibody - Product Information

Application E, WB, IHC Primary Accession P00966

Reactivity Human, Mouse, Monkey

Host Mouse
Clonality Monoclonal
Isotype IqG1

Isotype IgG1
Calculated MW 47kDa KDa

Description

The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of ASS cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene.

Immunogen

Purified recombinant fragment of human ASS1 expressed in E. Coli.

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Formulation

Purified antibody in PBS with 0.05% sodium azide

ASS1 Antibody - Additional Information

Gene ID 445

Other Names

Argininosuccinate synthase, 6.3.4.5, Citrulline--aspartate ligase, ASS1, ASS

Dilution

E~~1/10000

WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000

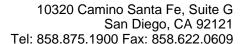
Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ASS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ASS1 Antibody - Protein Information





Name ASS1 (HGNC:758)

Function

One of the enzymes of the urea cycle, the metabolic pathway transforming neurotoxic amonia produced by protein catabolism into inocuous urea in the liver of ureotelic animals. Catalyzes the formation of arginosuccinate from aspartate, citrulline and ATP and together with ASL it is responsible for the biosynthesis of arginine in most body tissues.

Cellular Location Cytoplasm, cytosol

Tissue Location Expressed in adult liver.

ASS1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture