

ASS1 Antibody
Rabbit mAb
Catalog # AP92367

Specification

ASS1 Antibody - Product Information

| | |
|--|------------------------|
| Application | WB, IHC, FC, ICC, IP |
| Primary Accession | P00966 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| Argininosuccinate synthase 1; ASS; ass1; ASSA; Citrulline aspartate ligase; CTLN1; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 46530 Da |

ASS1 Antibody - Additional Information

| | |
|------------------------------|---|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human ASS1 |
| Description | Amino-acid biosynthesis; L-arginine biosynthesis; L-arginine from L-ornithine and carbamoyl phosphate: step 2/3. Nitrogen metabolism; urea cycle; (N(omega)-L-arginino)succinate from L-aspartate and L-citrulline: step 1/1. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage Condition and Buffer | |

ASS1 Antibody - Protein Information

Name ASS1 ([HGNC:758](#))

Function

One of the enzymes of the urea cycle, the metabolic pathway transforming neurotoxic ammonia produced by protein catabolism into innocuous 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

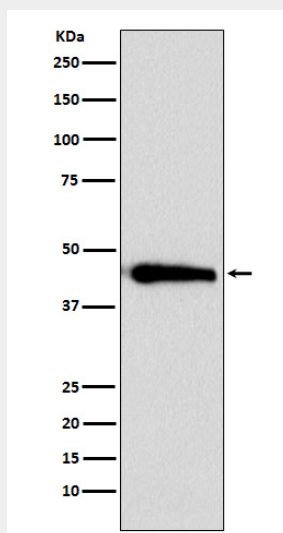
Expressed in adult liver.

ASS1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ASS1 Antibody - Images



Western blot analysis of ASS1 expression in HeLa cell lysate.