
Product Name: ASS1 Mouse Monoclonal Antibody**Catalog #: AMM81089**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ELISA |
| Reactivity | Human,Mouse,Monkey |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000 |
| Molecular Weight | 47kDa |

Antigen Information

| | |
|--------------------------|---|
| Gene Name | ASS1 |
| Alternative Names | ASS; CTLN1 |
| Gene ID | 445.0 |
| SwissProt ID | P00966 |
| Immunogen | Purified recombinant fragment of human ASS1 expressed in E. Coli. |

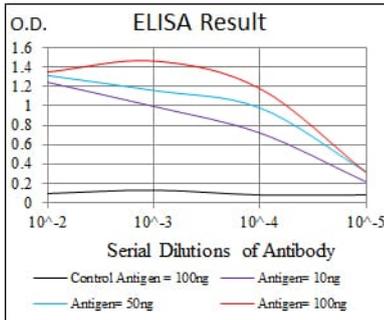
Background

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

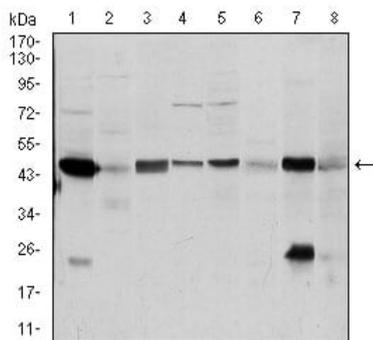
of ASS cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene.

Research Area

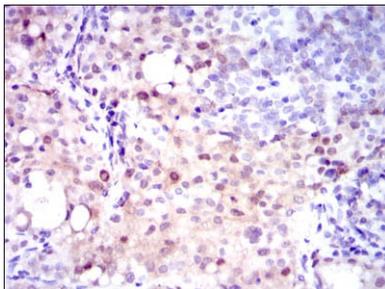
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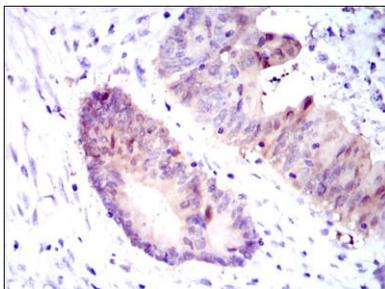
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using ASS1 mouse mAb against A431 (1), RAJI (2), MOLT4 (3), Jurkat (4), A549 (5), NIH/3T3 (6), PC-12 (7) and Cos7 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using ASS1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using ASS1 mouse mAb with DAB staining.