

A9084

Leader in Biomolecular Solutions for Life Science



## ASS1 Rabbit mAb

Catalog No.: A9084 **Recombinant**

### Basic Information

**Observed MW**

47kDa

**Calculated MW**

47kDa

**Category**

SMab Recombinant Monoclonal Antibody

**Applications**

WB,IF/ICC,ELISA

**Cross-Reactivity**

Human,Mouse,Rat

**CloneNo number**

ARC1407

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

### Recommended Dilutions

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

### Immunogen Information

**Gene ID**

445

**Swiss Prot**

P00966

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ASS1 (P00966).

**Synonyms**

ASS; CTLN1; ASS1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

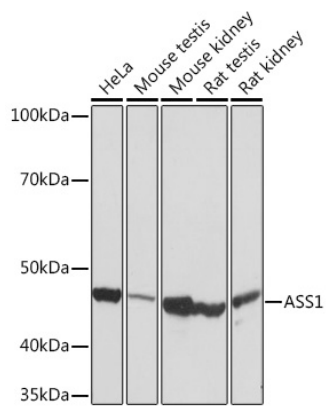
Affinity purification

**Storage**

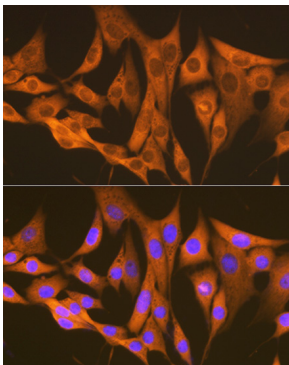
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using ASS1 Rabbit mAb (A9084) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of NIH-3T3 cells using ASS1 Rabbit mAb (A9084) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.