

## ASS1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**47kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human ASS1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ASS; CTLN1;

**Catalog #:**A2012

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**445

**Isotype:**IgG

**Swiss Prot:**P00966

**Purity:**Affinity purification

For research use only.

**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.

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