

## Product datasheet for **AM06726PU-N**

### ASS1 Mouse Monoclonal Antibody [Clone ID: 2C10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2C10
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human ASS1 expressed in E. Coli.
Specificity:	This antibody recognizes ASS1
Formulation:	PBS State: Purified State: Liquid purified antibody Stabilizer: 0.5% protein stabilizer Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	47 kDa
Gene Name:	argininosuccinate synthase 1
Database Link:	<a href="#">Entrez Gene 445 Human P00966</a>



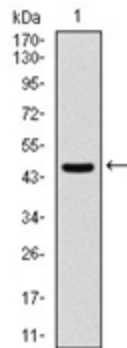
[View online »](#)

**Background:**

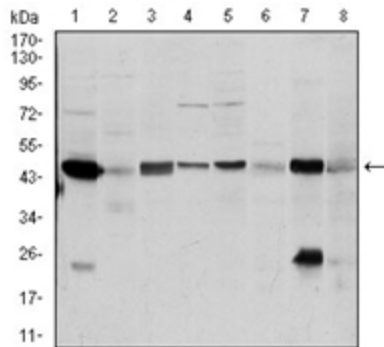
The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for 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.

**Synonyms:**

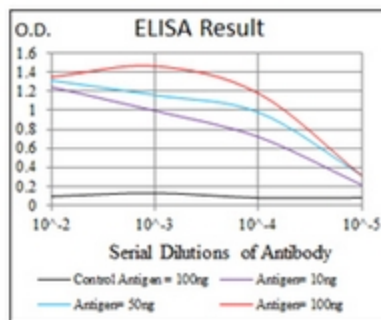
Argininosuccinate synthase

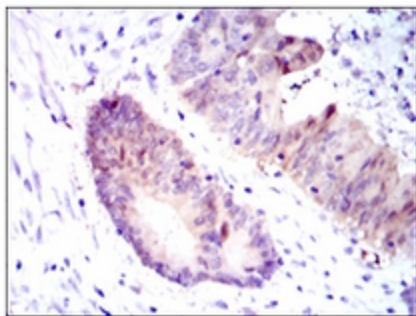
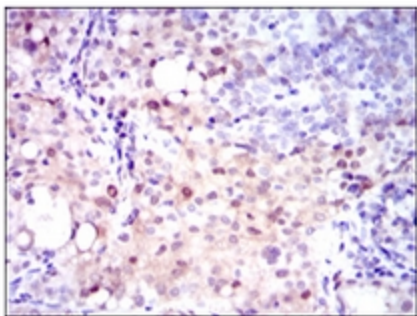
**Product images:**


Western blot analysis using ASS1 antibody against human ASS1 (AA: 40-236) recombinant protein (Expected MW is 47 kDa).



Western blot analysis using ASS1 antibody 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 cervical cancer (left) and colon cancer (right) tissues using ASS1 antibody with DAB staining.