

## Product datasheet for **TA302415**

### ASS1 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:64,000. WB: 0.01-0.03µg/ml.
Reactivity:	Human, Cow (Expected from sequence similarity: Mouse, Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-ENPKNQAPPGLYTKTQD, from the internal region of the protein sequence according to NP_000041.2 ; NP_446464.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50157 Da
Gene Name:	argininosuccinate synthase 1
Database Link:	<a href="#">NP_446464</a> <a href="#">Entrez Gene 11898 Mouse</a> <a href="#">Entrez Gene 25698 Rat</a> <a href="#">Entrez Gene 480693 Dog</a> <a href="#">Entrez Gene 445 Human</a> <a href="#">P00966</a>



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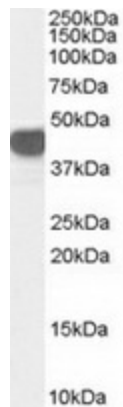
**Background:** The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional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

**Synonyms:** ASS; CTLN1

**Protein Families:** Druggable Genome

**Protein Pathways:** Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic pathways

### Product images:



TA302415 (0.03ug/ml) staining of Human Kidney lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.