

## Product datasheet for **TA591031**

### ASS1 Rabbit Monoclonal Antibody [Clone ID: OTIR3F5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR3F5
Applications:	SISCAPA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human ASS1 (NP_446464). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	Lot dependent; please refer to CoA along with shipment
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46.3 kDa
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 445 Human</a> <a href="#">P00966</a>
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. [provided by RefSeq, Aug 2012]
Synonyms:	ASS; CTLN1



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**Protein Families:** Druggable Genome

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