

## Product datasheet for **CF503452**

### Asparagine synthetase (ASNS) Mouse Monoclonal Antibody [Clone ID: OTI1A10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A10
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ASNS(NP_597680) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	64.2 kDa
Gene Name:	asparagine synthetase (glutamine-hydrolyzing)
Database Link:	<a href="#">NP_597680</a> <a href="#">Entrez Gene 25612 Rat</a> <a href="#">Entrez Gene 27053 Mouse</a> <a href="#">Entrez Gene 440 Human</a> <a href="#">P08243</a>



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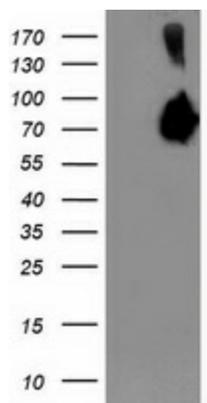
**Background:** The protein encoded by this gene is involved in the synthesis of asparagine. This gene complements a mutation in the temperature-sensitive hamster mutant ts11, which blocks progression through the G1 phase of the cell cycle at nonpermissive temperature. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]

**Synonyms:** ASNSD; TS11

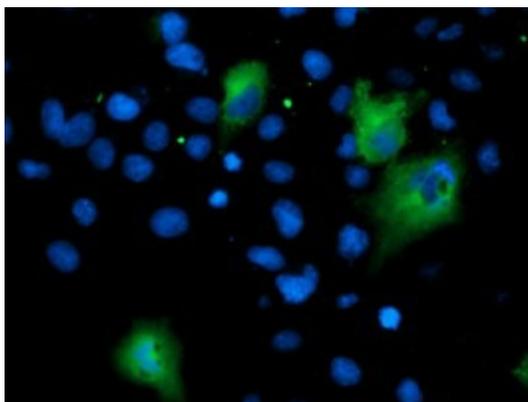
**Protein Families:** Druggable Genome

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

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ASNS ([RC215380], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASNS. Positive lysates [LY403336] (100ug) and [LC403336] (20ug) can be purchased separately from OriGene.



Anti-ASNS mouse monoclonal antibody ([TA503452]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ASNS ([RC215380]).