

OriGene Technologies, Inc.

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Product datasheet for CF503444

Asparagine synthetase (ASNS) Mouse Monoclonal Antibody [Clone ID: OTI1B2]

Product data:

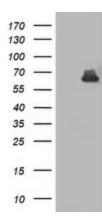
Product Type:	Primary Antibodies
Clone Name:	OTI1B2
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
lsotype:	lgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ASNS(NP_597680) produced in HEK293T cell.
Formulation:	Lyophilized 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:	<u>NP_597680</u> <u>Entrez Gene 25612 RatEntrez Gene 27053 MouseEntrez Gene 440 Human <u>P08243</u></u>



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	Asparagine synthetase (ASNS) Mouse Monoclonal Antibody [Clone ID: OTI1B2] – CF503444
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 Pathway	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ASNS (Cat# [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(Cat# [TA503444]). Positive lysates [LY403336] (100ug) and [LC403336] (20ug) can be purchased separately from OriGene.

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