

Product datasheet for **TA503452S**

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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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:	NP_597680 Entrez Gene 25612 Rat Entrez Gene 27053 Mouse Entrez Gene 440 Human P08243
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]



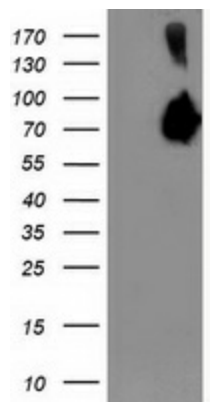
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Synonyms: ASNSD; TS11

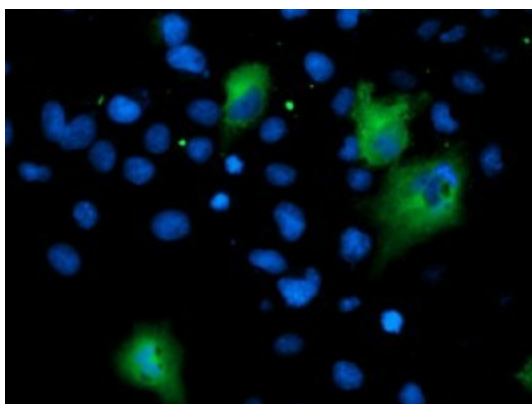
Protein Families: Druggable Genome

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]).