

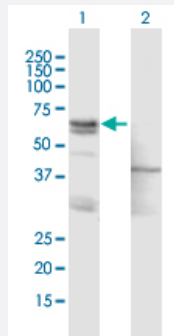
MaxPab®

ASNS MaxPab mouse polyclonal antibody (B01)

Catalog # H00000440-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ASNS expression in transfected 293T cell line ([H00000440-T01](#)) by ASNS MaxPab polyclonal antibody.

Lane 1: ASNS transfected lysate(61.71 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ASNS protein.

Immunogen

ASNS (NP_001664.2, 1 a.a. ~ 561 a.a) full-length human protein.

Sequence

MCGWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNC CFGHRLAVVDPLFGMQPIRV
KKYPYLWLCYNGEYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANK
KVFLGRDITYGVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDPNGKV
ASVEMVKYHHCRDEPLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLD
SSLVAATLLKQLKEAQVQYPLQTFAIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIF
SLETYDITTVRASVGMYLISKYIRKNTDSVVIFSGEGSDELTQGYTFHKAPSPEKAEESERLLREL
YLFVDVLRADRTTAAHGLELRVPFLDHRFSSYYSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWR
PKEAFSDGITSVKNSWFKILQEYVEHQVDDAMMANAAQKFPFNTPKTKEGYYYRQVFERHYPGR
ADWLSHYWMPKWINATDPSARTLTHYKSAVKA

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

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[Protocol Download](#)

Gene Info — ASNS

Entrez GeneID [440](#)

GeneBank Accession# [NM_001673.2](#)

Protein Accession# [NP_001664.2](#)

Gene Name ASNS

Gene Alias TS11

Gene Description asparagine synthetase

Omim ID [108370](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. There are three alternatively spliced transcript variants encoding the same protein described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000024510|TS11 cell cycle control protein|glutamine-dependent asparagine synthetase

Publication Reference

- [Overexpression of Asparagine Synthetase and Matrix Metalloproteinase 19 Confers Cisplatin Sensitivity in Nasopharyngeal Carcinoma Cells.](#)

Liu RY, Dong Z, Liu J, Zhou L, Huang W, Khoo SK, Zhang Z, Petillo D, Teh BT, Qian CN, Zhang JT.

Molecular Cancer Therapeutics 2013 Oct; 12(10):2157.

Application: WB-Ce, WB-Tr, Human, CNE-2, S16 cells

Pathway

- [Alanine](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)