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# Asparagine Synthetase Rabbit mAb

Catalog # AP74856

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | P08243 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 64370 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 440 |
| **Other Names** | ASNS |
| **Dilution** | WB~~1:500-1:1000 IHC-P~~N/A |
| **Format** | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

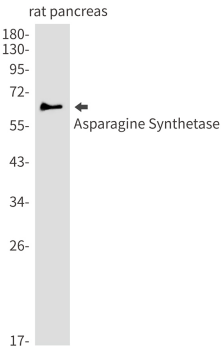
## Protein Information

| | |
|---|---|
| **Name** | ASNS ( HGNC:753) |
| **Function** | Catalyzes the ATP-dependent synthesis of L-asparagine from L- aspartate, using L-glutamine as a source of nitrogen (PubMed:2564390, PubMed:2573597). Can also use ammonia as the nitrogen source in vitro (PubMed:2564390, PubMed:2573597). |

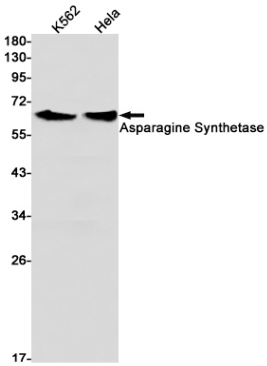
## Background

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.

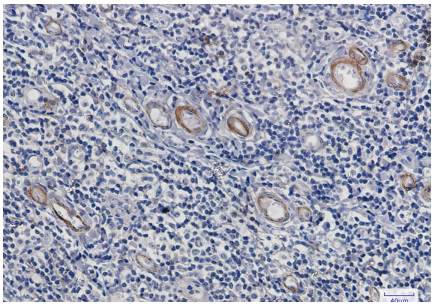
## Images




Western blot analysis of Asparagine Synthetase in rat pancreas lysates using Asparagine Synthetase antibody.




Western blot analysis of Asparagine Synthetase in K562, Hela lysates using Asparagine Synthetase antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Asparagine synthetase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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