

Asparagine synthetase Rabbit mAb

Catalog No: #48965

Package Size: #48965-1 50ul #48965-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

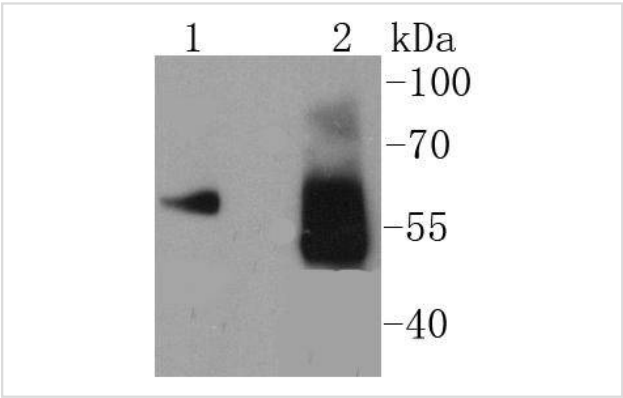
Description

Product Name	Asparagine synthetase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SC67-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	asnS antibody ASNS_HUMAN antibody ASNSD antibody Asparagine synthetase [glutamine-hydrolyzing] antibody Asparagine synthetase antibody Cell cycle control protein TS11 antibody Glutamine dependent asparagine synthetase 3 antibody Glutamine dependent asparagine synthetase antibody Glutamine hydrolyzing antibody Glutamine-dependent asparagine synthetase antibody OTTHUMP00000024510 antibody OTTHUMP00000204938 antibody OTTHUMP00000204939 antibody OTTHUMP00000204940 antibody OTTHUMP00000204941 antibody OTTHUMP00000204942 antibody TS11 antibody TS11 cell cycle control protein antibody
Accession No.	Swiss-Prot#:P08243
Calculated MW	61 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

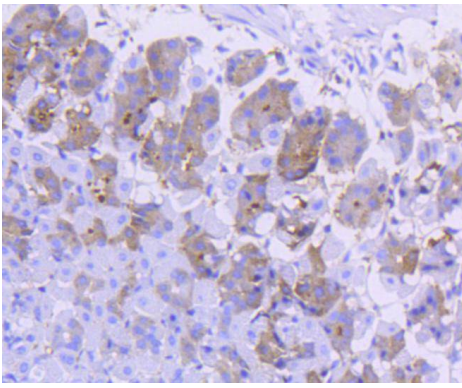
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

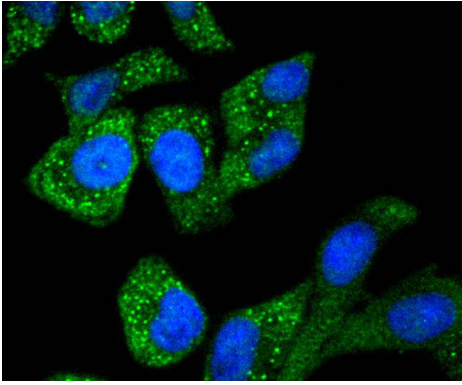
Images



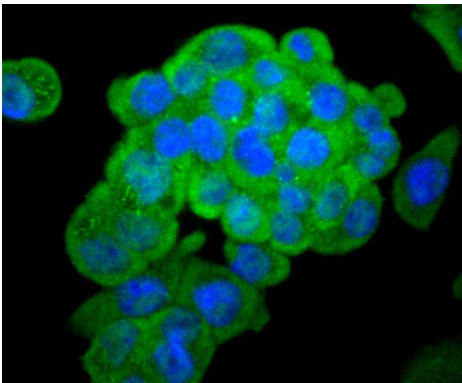
Western blot analysis of Asparagine synthetase on different lysates using anti-Asparagine synthetase antibody at 1/1,000 dilution. Positive control: Lane 1: K562 Lane 2: Human skeletal muscle



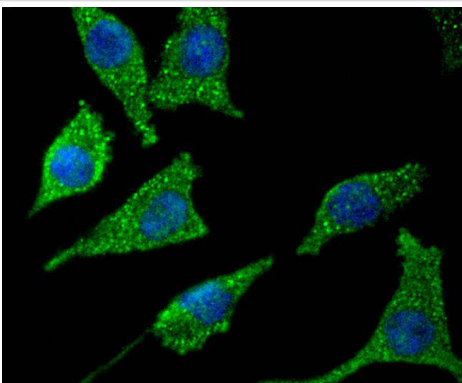
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-Asparagine synthetase antibody. Counter stained with hematoxylin.



ICC staining Asparagine synthetase in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Asparagine synthetase in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Asparagine synthetase in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Glutamine-hydrolyzing asparagine synthetase is also commonly designated cell cycle control protein TS11. Asparagine synthetase plays an important role in the amino-acid biosynthesis pathway and is also important for L-asparagine biosynthesis. Via the L-glutamine route, it is involved in the synthesis of L-asparagine from L-aspartate. The protein contains one asparagine synthetase domain and one type-2 glutamine amidotransferase domain. The cell-cycle regulated gene encoding for asparagine synthetase, ts11, is necessary for G1 progression.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.