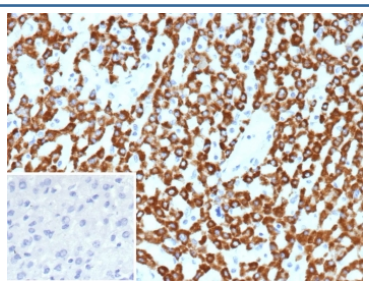
CPS1 Antibody / Carbamoyl phosphate synthetase 1 [clone CPS1/9859] (V5677)

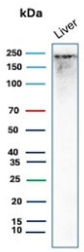
Catalog No.	Formulation	Size
V5677-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5677-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5677SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

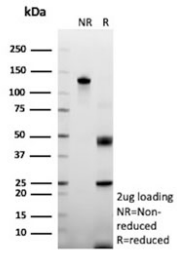
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	CPS1/9859
Purity	Protein A/G affinity
UniProt	P31327
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This CPS1 antibody is available for research use only.



IHC staining of FFPE human hepatocellular carcinoma tissue with CPS1 antibody (clone CPS1/9859). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human liver tissue lysate with CPS1 antibody (clone CPS1/9859). Predicted molecular weight ~165 kDa but may be observed at higher molecular weights due to glycosylation.



SDS-PAGE analysis of purified, BSA-free CPS1 antibody (clone CPS1/9859) as confirmation of integrity and purity.

Description

This MAb recognizes a protein of 165kDa, identified as carbamoyl phosphate synthetase 1 (CPS1). This mitochondrial enzyme catalyzes synthesis of carbamoyl phosphate from ammonia and bicarbonate. This reaction is the first committed step of the urea cycle, which is important in the removal of excess urea from cells.

Application Notes

Optimal dilution of the CPS1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 800-1000 from human CPS1 protein was used as the immunogen for the CPS1 antibody.

Storage

Aliquot the CPS1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com