

CPS1 Rabbit mAb

Catalog No: #59876

Package Size: #59876-1 50ul #59876-2 100ul

Description

Product Name	CPS1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	CPS1 Antibody detects endogenous levels of total CPS1
Immunogen Description	A synthesized peptide derived from human CPS1
Other Names	Cps1; CPSase 1; CPSase I; CPSASE1; MS738;
Accession No.	Uniprot:P31327
Calculated MW	Predicted band size: 165 kDa
SDS-PAGE MW	Observed band size: 150 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

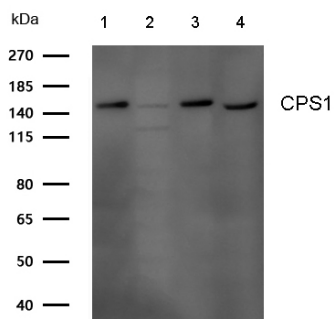
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: CPS1 Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : MCF-7 whole cell lysates
Lane 3 : Mouse liver lysates Lane 4 : Rat liver lysates
Lysates/proteins at 20 µg per lane.

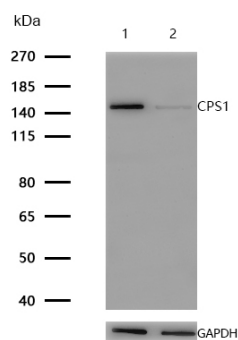
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 165 kDa

Observed band size: 150 kDa

Exposure time: 9 seconds

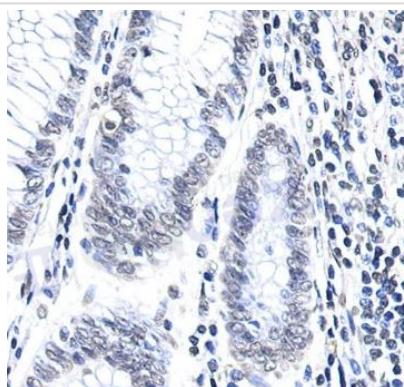


All lanes: CPS1 Rabbit mAb at 1/1k dilution

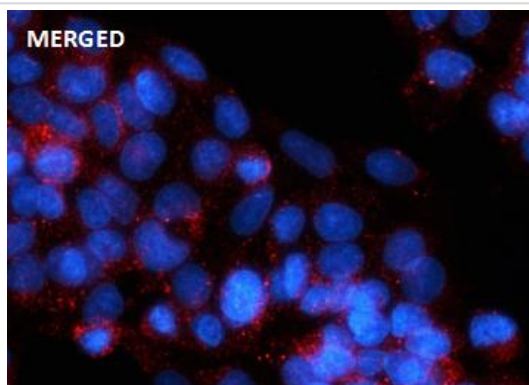
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : CPS1 Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for CPS1 using 59876 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence CPS1 antibody (59876) ICC/IF staining of CPS1 in HepG2 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59876 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Involved in the urea cycle of ureotelic animals where the enzyme plays an important role in removing excess ammonia from the cell.

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