CPS1

Reactivity:Human Mouse Rat

## Tested applications:WB

Recommended Dilution:WB1:1000-1:2000
Calculated MW:165kDa
Observed MW:Refer to figures

## Immunogen:

Recombinant Protein of human CPS1

## Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH7.3.

## Synonym:

PHN; CPSASE1;

## Background:

The mitochondrial enzyme encoded by this gene 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. The encoded protein may also represent a core mitochondrial nucleoid protein. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion.

Mutations in this gene have been associated with carbamoyl phosphate synthetase deficiency, susceptibility to persistent pulmonary hypertension, and susceptibility to venoocclusive disease after bone marrow transplantation.

To place an order, please Click HERE.

Catalog \#:A8080
Antibody Type:
Polyclonal Antibody
Species:Rabbit
Gene ID:1373
Isotype:IgG
Swiss Prot:P31327
Purity:Affinity purification

