

# CPS1 Recombinant antibody

**Cat:**B36280S

**Company:** HaoKebio

**Uniprot ID:**P31327

**Applications:** IHC:1:200-1:800

**Organism:**Rabbit

**IHC-Polymer:**1:800-1:3200

**Species reactivity:**Human Mouse Rat

**IHC-TSA:**1:1000-1:4000

**Molecular Weight Calculation:** 165 kDa

**IF:**1:50

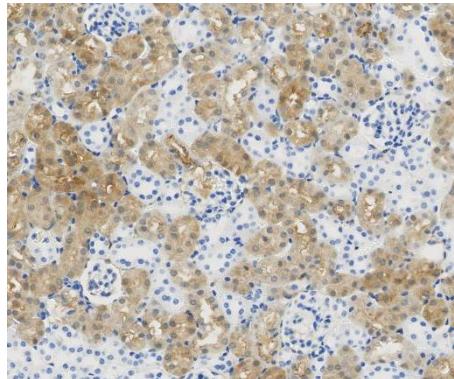
**Observed Molecular Weight:** 140-165 kDa

**WB:**1:500-1:2000

**Background:**

Carbamoyl phosphate synthetase 1 (CPS1) is the first rate-limiting enzyme in the urea cycle, converting ammonium into carbamoyl phosphate, and plays an intricate role in arginine metabolism and pyrimidine metabolism (PMID: 28376202). CPS1 expression is liver specific and suppressed in HCC cells and tumor tissues at the transcriptional level (PMID: 21281797). CPS1 gene comprises 38 exons that encode a polypeptide of 1500 amino acids and has a molecular weight of 165 kDa.

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Sample: Mouse kidney, 4% PFA 12-24h

**Synonyms:**

EC:6.3.4.16, CPSase I, Carbamoyl-phosphate synthetase I, Carbamoyl-phosphate synthase [ammonia], mitochondrial, 241198F1

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

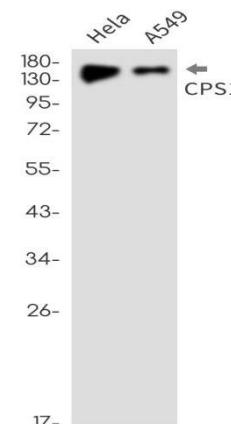
Affinity purification

**Form:**

Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.



Dilution of 1:2000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

发表[中文论文]请标注:CPS1(B36280S)由杭州浩克生物技术有限公司提供;

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

发表[英文论文]请标注:CPS1(B36280S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.