



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07697-B - Goat Anti-Argininosuccinate synthetase 1, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ASS1, argininosuccinate synthase 1, ASS, CTLN1, argininosuccinate synthetase 1, citrulline--aspartate ligase, citrulline-aspartate ligase

**Official Symbol:** ASS1

**Accession Number(s):** NP\_000041.2

**Human GeneID(s):** [445](#)

**Non-Human GeneID(s):** 11898 (mouse), 25698 (rat)

**Important Comments:** Reported variants represent identical protein: NP\_446464.1, NP\_000041.2

### Immunogen

Peptide with sequence C-ENPKNQAPPGLYTKTQD., from the internal region of the protein sequence according to NP\_000041.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

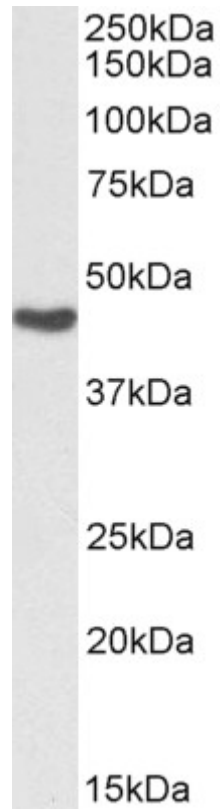
**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 46kDa band observed in Human Kidney lysates (calculated MW of 46.5kDa according to NP\_000041.2). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.01-0.03µg/ml.

### Species Reactivity

**Tested:** Human, Cow

**Expected from sequence similarity:** Human, Mouse, Rat, Dog



Biotinylated EB07697 (0.03 $\mu$ g/ml) staining of Human Kidney lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.