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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 GenelD(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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB07697 (0.03μg/ml) staining of Human Kidney lysate (35μg 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.