

Goat anti-Argininosuccinate synthetase 1, Biotinylated Antibody

Item Number	dAP-3358
Target Molecule	Principle Name: Argininosuccinate synthetase 1, Biotinylated; Official Symbol: ASS1; All Names and Symbols: ASS1; argininosuccinate synthase 1; ASS; CTLN1; argininosuccinate synthetase 1; citrulline--aspartate ligase; citrulline-aspartate ligase; Accession Number (s): NP_000041.2; Human Gene ID(s): 445; Non-Human GeneID(s): 11898 (mouse) 25698 (rat)
Immunogen	ENPKNQAPPGLYTKTQD., is from internal region Reported variants represent identical protein: NP_446464.1, NP_000041.2
Applications	Pep ELISA, WB, IF, IP, IHC Species Tested: Human, Cow
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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.
IHC	
Reference	Reference(s): Hao G, Xie L, Gross SS. Argininosuccinate synthetase is reversibly inactivated by S-nitrosylation in vitro and in vivo. The Journal of biological chemistry 2004 Aug 279 (35): 36192-200..PMID: 15192091->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**