

Goat anti-Argininosuccinate synthetase 1 Antibody

Item Number	dAP-1079
Target Molecule	Principle Name: Argininosuccinate synthetase 1; Official Symbol: ASS1; All Names and Symbols: Argininosuccinate synthetase 1; ASS; ASS1; CTLN1; 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 The variants represent identical protein (NP_000041.2 and NP_446464.1).
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 45kDa band observed in Human Kidney lysates (calculated MW of 46.5kDa according to NP_000041.2 and NP_446464.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows textured cytoplasm staining in PCT. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Liver. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Hao G, Xie L, Gross SS. Argininosuccinate synthetase is reversibly inactivated by S-nitrosylation in vitro and in vivo. J Biol Chem. 2004 Aug 27;279(35):36192-200. Epub 2004 Jun 10. .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**