

## Goat anti-Creatine transporter 1 / SLC6A8 Antibody

<b>Item Number</b>	dAP-2572
<b>Target Molecule</b>	Principle Name: Creatine transporter 1 / SLC6A8; Official Symbol: SLC6A8; All Names and Symbols: SLC6A8; solute carrier family 6 (neurotransmitter transporter, creatine), member 8; CRT; CRTR; CT1; MGC87396; creatine transporter 1; creatine transporter SLC6A8; sodium- and chloride-dependent creatine transporter 1; solute carrier family 6 member 8; Accession Number (s): NP_005620.1; NP_001136277.1; NP_001136278.1; Human Gene ID(s): 6535; Non-Human GeneID(s): 102857 (mouse) 50690 (rat)
<b>Immunogen</b>	ASLANLTCDQLADRR, is from internal region This antibody is expected to recognize all reported isoforms (NP_005620.1; NP_001136277.1; NP_001136278.1).
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Mouse, Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	Western Blot: Approx 70kDa band observed in Mouse Heart, Kidney and Skeletal Muscle lysates (calculated MW of 71.0kDa according to Mouse NP_598748.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.
<b>Reference</b>	Reference(s): Braissant O, BÃ©ard E, Torrent C, Henry H, Dissociation of AGAT, GAMT and SLC6A8 in CNS: relevance to creatine deficiency syndromes. Neurobiology of disease 2010 Feb 37 (2): 423-33..PMID: 19879361->

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**