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Research Use Only. Not for diagnostic or therapeutic use.

EB10642 - Goat Anti-Creatine transporter 1 / SLC6A8 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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

Official Symbol: SLC6A8

Accession Number(s): NP_005620.1; NP_001136277.1; NP_001136278.1

Human GenelD(s): 6535

Non-Human GeneID(s): 102857 (mouse), 50690 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP_005620.1; NP_001136277.1; NP_001136278.1).

Immunogen

Peptide with sequence ASLANLTCDQLADRR, from the internal region of the protein sequence according to NP_005620.1; NP_001136277.1; NP_001136278.1.

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 1:8000.

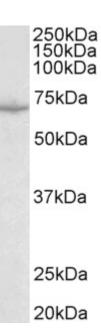
Western blot: Approx 70kDa band observed in Mouse Heart lysates (calculated MW of 71.0kDa according to Mouse NP_598748.1). Recommended concentration: 0.1-0.3μg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

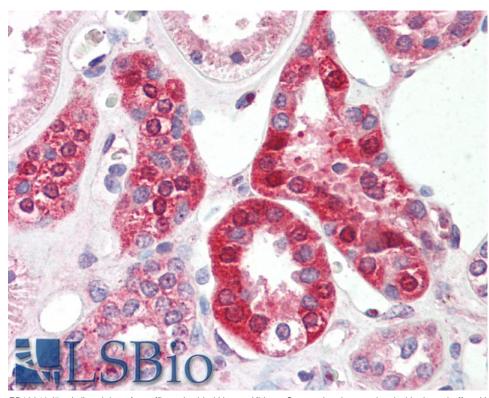
Species Reactivity

Tested: Mouse, Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB10642 (0.1μg/ml) staining of Mouse Heart lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB10642 (5μg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.