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Research Use Only. Not for diagnostic or therapeutic use.

EB10148 - Goat Anti-SLC2A4 / GLUT4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: glucose transporter 4, GLUT4, insulin-responsive glucose transporter type 4, solute carrier family 2 (facilitated glucose transporter), member 4, SLC2A4

Official Symbol: SLC2A4

Accession Number(s): NP_001033.1

Human GeneID(s): 6517

Non-Human GenelD(s): 20528 (mouse), 25139 (rat)

Immunogen

Peptide with sequence C-TELEYLGPDEND, from the C Terminus of the protein sequence according to NP_001033.1.

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 1:16000.

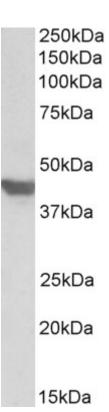
Western blot: Approx 40-45kDa band observed in Mouse Heart lysates (calculated MW of 54.8kDa according to Human NP_001033.1 and Mouse NP_033230.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Fischer et al, J Biol Chem. 1997 Mar 14;272(11):7085-92.; PMID: 9054401). Recommended concentration: 0.3-1μg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Skeletal Muscle. Recommended concentration: 3.75µg/ml.

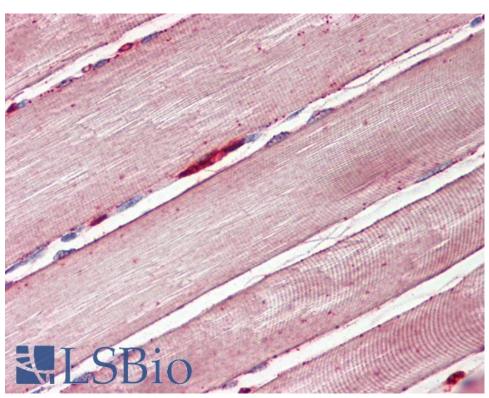
Species Reactivity

Tested: Human, Mouse

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



EB10148 (1 μ g/ml) staining of Mouse Heart lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB10148 (3.75μg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.