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diagnostic or therapeutic use.**

EB09301 - Goat Anti-Connexin 43 / GJA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GJA1, gap junction protein, alpha 1, 43kDa, CX43, DFNB38, GJAL, ODDD, connexin 43, gap junction 43 kDa heart protein, gap junction protein, alpha-like

Official Symbol: GJA1

Accession Number(s): NP_000156.1

Human GeneID(s): [2697](#)

Non-Human GeneID(s): 24392 (rat)

Immunogen

Peptide with sequence C-QPFDLPDDNQNSKK, from the internal region of the protein sequence according to NP_000156.1.

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 1:32000.

Western blot: Approx 40kDa band observed in Human and Rat Heart lysates (calculated MW of 43.0kDa according to Human NP_000156.1 and Rat NP_036699.1).

Recommended concentration: 0.1-1µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human, Rat

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

Specific Reference

This antibody (previous batch) has been successfully used in IF on Rat:

Lee-Kubli CA, Ingves M, Henry KW, Shiao R, Collyer E, Tuszynski MH, Campana WM.

Analysis of the behavioral, cellular and molecular characteristics of pain in severe rodent spinal cord injury.

Exp Neurol. 2016 Apr; 278:91-104.

PMID: 26808661

EB09301 (0.1µg/ml) staining of Human (A) and (1ug/ml) Rat (B) Heart lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.