
Connexin-43 (Ser368) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody

Cat. No.: 252529

Unit: 0.1 ml

Description:

Connexin-43 (Gap junction alpha-1 protein, GJA1) forms connexons at cell gap junctions through which materials of low MW diffuse from one cell to a neighboring cell. Connexin-43 has a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph. Connexons are composed of a hexamer of connexins. Connexin-43 is expressed in the heart and fetal cochlear. Phosphorylation of Ser368 by PKC induces a conformational change of connexin-43 that results in a decrease in gap junction permeability. Defects in connexin-43 are the cause of autosomal dominant oculodentodigital dysplasia (ODDD), a serious condition of cranofacial anomalies, ocular defects and sometimes deafness and cardiac abnormalities.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: B, D, Ck, G, H, M, Zf

Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Connexin-43; Gap junction alpha-1 protein; Cx43; Gap junction 43 kDa heart protein; GJA1; GJAL

Accession No.: P08050

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser368 of rat connexin 43.

Application Notes: E: 1:1,000; WB: 1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.