

Connexin-43 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250486

Unit: 0.1 mg

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. Defects in Connexin-43 are the cause of autosomal dominant oculodentodigital dysplasia (ODDD), a serious condition of craniofacial anomalies, ocular defects and sometimes deafness and cardiac abnormalities.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

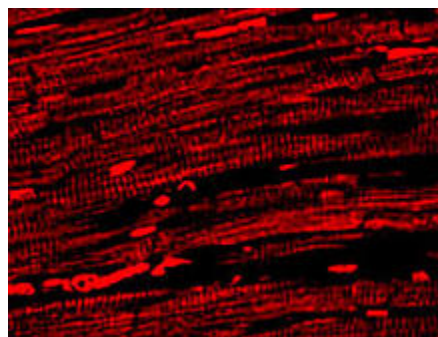
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

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

Accession No.: P17302

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human connexin-43.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



Connexin-43 staining in rat heart. Formalin-fixed paraffin-embedded rat heart tissue is stained with Connexin-43 Antibody (Cat. No. 250486) used at a 1:200 dilution.

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.