

GJB6

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:10 - 1:50

Calculated MW: 30kDa

Observed MW: Refer to figures

Immunogen:

A synthetic Peptide of human GJB6

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ED2; EDH; HED; CX30; HED2; DFNA3; ECTD2; DFNA3B; DFNB1B;

Catalog #: A2906

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10804

Isotype: IgG

Swiss Prot: O95452

Purity: Affinity purification

For research use only.

Background:

Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. Each connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic loop formed between the two inner transmembrane segments, and the N- and C-terminus both being in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins comprise the hemichannel. In the past, connexin protein names were based on their molecular weight, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this gene have been found in some forms of deafness and in some families with hidrotic ectodermal dysplasia.

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