

# GJB6 Conjugated Antibody

Catalog No: #C31190

Package Size: #C31190-AF350 100ul #C31190-AF405 100ul #C31190-AF488 100ul #C31190-AF555 100ul #C31190-AF594 100ul #C31190-AF647 100ul #C31190-AF680 100ul #C31190-AF750 100ul #C31190-Biotin 100ul #C31190-Conjugated 50ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | GJB6 Conjugated Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Applications          | IF  |
| Species Reactivity    | Hu Ms   |
| Specificity           | The antibody detects endogenous level of total GJB6 protein.  |
| Immunogen Description | Synthetic peptide corresponding to a region derived from 230-245 amino acids of Human Gap junction beta-6 protein |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  |
| Other Names           | Gap junction beta-6 protein, ED2, EDH, HED, CX30, DFNA3, DFNA3B, DFNB1B   |
| Accession No.         | Swiss-Prot#:NCBI Gene ID:NCBI mRNA#:NCBI Protein#:NP_002846   |
| Calculated MW         | 30  |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide                       |
| Storage               | Store at 4°C in dark for 6 months   |

## Application Details

IF:1:50-1:200

## Product Description

Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.

## 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.