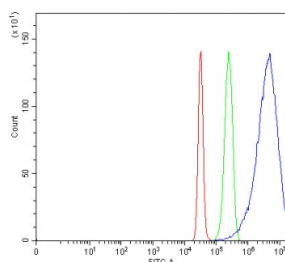


GJB1 Antibody / Gap junction beta-1 protein / Connexin 32 (RQ8015)

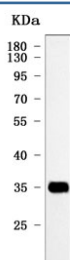
Catalog No.	Formulation	Size
RQ8015	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08034
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This GJB1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with GJB1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GJB1 antibody.



Western blot testing of human HepG2 cell lysate with GJB1 antibody. Predicted molecular weight ~32 kDa.

Description

Gap junction beta-1 protein (GJB1), also known as connexin 32 (Cx32) is a transmembrane protein that in humans is encoded by the GJB1 gene. This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

Application Notes

Optimal dilution of the GJB1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids A92-A147) was used as the immunogen for the GJB1 antibody.

Storage

After reconstitution, the GJB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.