

## Basic Information

<b>Product Name</b>	Anti-Connexin-32/GJB1 Antibody		
<b>Gene Name</b>	GJB1		
<b>Source</b>	Rabbit		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human		
<b>Tested Application</b>	WB, FCM(Intracellular), Direct ELISA		
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.		
<b>Immunogen</b>	E.coli-derived human Connexin-32/GJB1 recombinant protein (Position: A92-A147).		
<b>concentration</b>	500 ug/ml		
<b>Purification</b>	Immunogen affinity purified.		
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000	
	Flow Cytometry(Intracellular):	1-3 µg/1x10 <sup>6</sup> cells	
	Direct ELISA:	1:100-1000	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

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.

## Selected Validation Data

Product datasheet

## Anti-Connexin-32/GJB1 Antibody

Catalog Number: **A01050-1**

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