

# Product datasheet

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# ARG43896 anti-Connexin 32 antibody

Package: 50 μg Store at: -20°C

# **Summary**

Product Description Rabbit Polyclonal antibody recognizes Connexin 32

Tested Reactivity Hu

Tested Application ELISA, FACS, WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name Connexin 32

Species Human

Immunogen Human Connexin 32 recombinant protein

Conjugation Un-conjugated

Alternate Names GJB1; Gap Junction Protein Beta 1; CX32; Gap Junction Protein, Beta 1, 32kDa; GAP Junction 28 KDa

Liver Protein; Gap Junction Beta-1 Protein; Connexin-32; CMTX1; CMTX, Cx32

# **Application Instructions**

Application table	Application	Dilution
	ELISA	0.1-0.5 μg/ml
	FACS	1-3 μg/1x10^6
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

#### **Properties**

Form Liquid

Purification Affinity purified with Immunogen.

Buffer 0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose.

Stabilizer 4% Trehalose

Concentration 0.5 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol GJB1

Gene Full Name Gap Junction Protein Beta 1

Background 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.

Function One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the

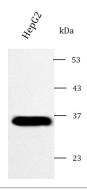
connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Calculated Mw 32 kDa

PTM Phosphoprotein

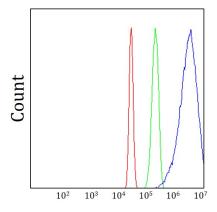
Cellular Localization Cell junction, Cell membrane, Gap junction, Membrane

### **Images**



#### ARG43896 anti-Connexin 32 antibody WB image

Western blot: HepG2 stained with ARG43896 anti-Connexin 32 antibody at 0.5  $\mu$ g/mL dilution.



#### ARG43896 anti-Connexin 32 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG43896 anti-Connexin 32 antibody (blue) at 1  $\mu$ g/1x10^6 cells dilution.