

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% Na ₂ HPO ₄ 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 µg/mL dilution.



ARG43896 anti-Connexin 32 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG43896 anti-Connexin 32 antibody (blue) at 1 µg/1x10⁶ cells dilution.

