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PRODUCT DATASHEET

Anti-Connexin-43 (C-terminal region) Antibody

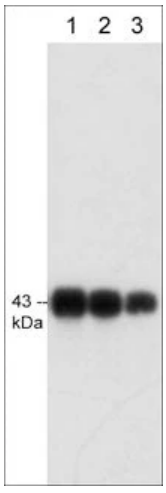
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:CM4961)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M496
Gene Name	GJA1
Host Species	Mouse
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	Clone M496 was generated from a peptide fragment in the C-terminal region of human connexin-43. This sequence is highly conserved in mouse and rat connexin-43.
Specificity	The antibody detects a 43 kDa* protein corresponding to the apparent molecular mass of connexin-43 on SDS-PAGE immunoblots of mouse brain. The antibody is also useful for immunofluorescent labeling of gap junctions in cells.
Molecular Weight	43
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
UniProt ID	P17302 UniProt Summary: Structural component of the gap junction, a specialized intercellular structure consisting of a cluster of closely packed pairs of transmembrane channels, the connexons, that allow passage of small molecules and electrical signals between neighboring cells. Forms homotypic and heterotypic channels gated by transjunctional voltage. May play a critical role in the physiology of hearing by participating in the recycling of potassium to the cochlear endolymph (Probable). Negative regulator of bladder functional capacity: acts by enhancing intercellular electrical and chemical transmission, thus sensitizing bladder muscles to cholinergic neural stimuli and causing them to contract. May play a role in the conductive system of ventricular myocardium and heart morphogenesis. May play a role in cell growth inhibition through the regulation of NOV expression and localization. Involved in intercellular innate immune signaling. Mediates translocation of 2',3'-cGAMP and 2',5'-oligoadenylates (2-5A) second messengers from virus-infected cells to macrophages and uninfected neighboring cells to propagate and amplify the antiviral immune response.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	2697

Product Images



Western blot analysis of connexin-43 expression in adult mouse brain (lanes 1-3). The blots were probed with mouse monoclonal anti-connexin-43 at 1:250 (lane 1), 1:500 (lane 2), and 1:1000 (lane 3).



Created on 04. November 2026 | All information without guarantee