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anti-Connexin 43/GJA1 antibody (AA 107-138)





Overview

Overview	
Quantity:	0.4 mL
Target:	Connexin 43/GJA1 (GJA1)
Binding Specificity:	AA 107-138
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Connexin 43/GJA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA
Product Details	
Immunogen:	A portion of amino acids 107-138 from the human protein was used as the immunogen for this Connexin 43 antibody.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Xenopus
Purification:	Purified
Target Details	
Target:	Connexin 43/GJA1 (GJA1)
Alternative Name:	Connexin 43 (GJA1 Products)
Background:	Gap junction protein, alpha 1 is a member of the connexin gene family and a component of gap

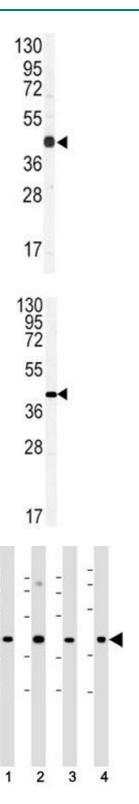
rarget Details	
	junctions. Gap junctions are composed of arrays of intercellular channels and provide a route
	for the diffusion of materials of low molecular weight from cell to cell. Connexin 43 is the major
	protein of gap junctions in the heart, and gap junctions are thought to have a crucial role in the
	synchronized contraction of the heart and in embryonic development. Connexin 43 is targeted
	by several protein kinases that regulate myocardial cell-cell coupling. A related intron-less
	connexin 43 pseudogene, GJA1P, has been mapped to chromosome 5.
UniProt:	P17302
Pathways:	MAPK Signaling, Myometrial Relaxation and Contraction, Cell-Cell Junction Organization
Application Details	
Application Notes:	Titration of the Connexin 43 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Handling

Restrictions:

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Connexin 43 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

For Research Use only



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Western Blotting

Image 1. Western blot analysis of Connexin 43 antibody and CEM lysate

Western Blotting

Image 2. Western blot analysis of Connexin 43 antibody and mouse brain tissue lysate. Predicted molecular weight: 43 kDa

Western Blotting

Image 3. Western blot analysis of lysate from (1) HeLa, (2) U-87 MG, (3) rat C6 cell line and (4) mouse heart tissue lysate using Connexin 43 antibody at 1:1000. Predicted molecular weight: 43 kDa

Please check the product details page for more images. Overall 6 images are available for ABIN3031020.