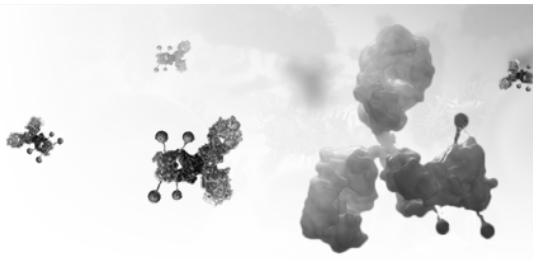

Rabbit Anti-Mouse Connexin 30 monoclonal antibody, clone 27I0M9 (CABT-L1322)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with human, rat, hamster and bovine based on sequence homology.
Target	GJB6
Immunogen	A peptide corresponding to amino acids 241-261 of P70689.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	27I0M9
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IHC-P, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

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BACKGROUND

Introduction	Gap junctions are responsible for transport of ions and metabolites between adjacent cells. These structures are made of two hemichannels, each formed by six connexin molecules. Connexin 30, coded by Cjb6 gene, is a member of the connexin family and is highly expressed in brain and skin. Immunohistochemically connexin 30 was localized in astrocytes, at gap junctions between these cells and on the astrocyte side of gap junctions between astrocytes and oligodendrocytes. Co-localization with connexin 43 was also observed in this study. Cytoskeleton, especially actin filaments, are important components in the processes of assembly, trafficking and stabilization of connexin 30 gap junctions. Knock-out mice studies have also demonstrated that connexin 30 deficiency impairs renal tubular ATP release and pressure natriuresis highlighting the importance of this molecule in kidney. Further, in vitro studies have also demonstrated that connexin 30 overexpression enhances cell proliferation.
Keywords	GJB6;gap junction protein, beta 6;Cx30;AA958971;D14Bwg0506e;gap junction beta-6 protein;connexin-30;gap junction membrane channel protein beta 6

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