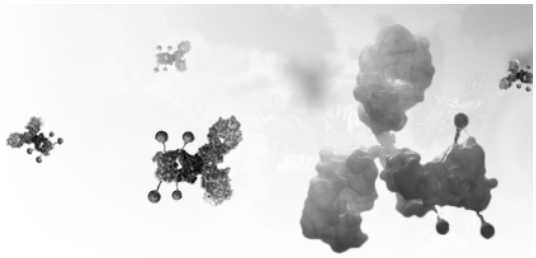

Rabbit Anti-Mouse Connexin 46 monoclonal antibody, clone 22I27M44 (CABT-L1320)

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

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with rat and hamster based on sequence homology.
Target	GJA3
Immunogen	A peptide corresponding to amino acids 131-144 of Q64448.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	22I27M44
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	IHC-P, 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

BACKGROUND

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Introduction	Connexin 46 (Cx46), also known as Gap Junction Protein Alpha-3 (GJA3), CAE3, CX46 and C2P3, maps to human chromosome 13q11-q12 and encodes a 46 kDa protein. Cx46, along with Cx50, is principally expressed in the lens of the eye. Cx46 mediates intercellular interactions during development and is necessary for the survival of neural crest cells. Cx46 forms gap junctions that connect lens fiber cells and are crucial for maintaining lens transparency and normal lens function. Mutations of Cx46 result in severe cataracts of the lens. Individual knockouts of Cx46 and Cx50 lead to changes in the rate of lens fiber cell differentiation and cell size, thus the interaction of Cx46 and Cx50 is required for proper organization of fiber cells.
Keywords	GJA3;gap junction protein, alpha 3, 46kDa;CZP3, gap junction protein, alpha 3, 46kD (connexin 46);gap junction protein, alpha 3, 46kDa (connexin 46);gap junction alpha-3 protein;connexin 46;CX46;connexin-46;CZP3

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