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RABBIT ANTI-MOUSE CONNEXIN 40 (C×40) [GAP JUNCTION ALPHA-5 PROTEIN (C×A-5)] POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB1726	**QUANTITY:**	50 μg
LOT NUMBER:		**CONCENTRATION:**	1.0 mg/mL

BACKGROUND: Mouse Connexin 40 is a 358 amino acid gap junction protein with a predicted M.W. of ~40 kDa. It is prominently expressed in lung, heart and skin (see reviews in reference 1-3).

SPECIFICITY: Reacts with mouse connexin 40.

APPLICATIONS: ELISA: 1:100,000 using 50-100 ng C×40 control peptide per well.
Western Blot: 1-10 μg/mL using Chemiluminescence technique
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITY: Human, mouse, and rat. Reactivity with other species has not been determined.

IMMUNOGEN: Anti-Connexin 40 is made against a 19 amino acid peptide sequence within the C-terminal cytoplasmic domain of mouse C×40 (2). Peptide sequence is conserved in human and rat Cx40 (100%), chicken Cx42 (77%), human Cx50 (87%), rat Cx50 (81%) and sheep Cx49 (87%).

FORMAT: Antibodies have been affinity-purified using peptide-Sepharose columns.

PRESENTATION: Liquid in PBS with 0.1% BSA and 0.05% sodium azide.

STORAGE/HANDLING: Store at -20°C in undiluted aliquots. Antibodies may be stored at 4°C for short-term use. Avoid repeated freeze-thaw cycles.

REFERENCES:

1. Kumar, N. and Giula, N. (1996) *Cell* **84**: 381-388. White, W., et al. (1995) *Kidney Intl.* **48**: 1148-1157. Evans, H. (1994*) Biochem. Soc. Tr.* 788-792. Beyer, E., et al. (1990) *J. Membrane Biol.* **116**: 187-194.

2. Henneman, H. et al. (1992) *J Cell Biol.* **117**: 1299-1310.

3. Traub, O. et al. (1994) *Eur. J. Cell Biol.* **64**: 101-112. Goliger, J. & Paul, D. (1994) *Dev. Dynamics* **200**:1.

4. Haefliger, J., et al. (1992) *JBC* **267**: 2057. Beyer, E. (1992) *J Memb. Biol.* **127**: 69-76. Kanter, H. et al. (1994) *J Mol. Cell. Cardiol.* **26**:861. Beyer, E. (1990) *JBC* **265**: 14439-14443.

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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