Connexin 40 (CX40) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Connexin 40 (CX40), Polyclonal Antibody
Full Product Name	Connexin 40 (CX40, Gap Junction alpha 5 Protein, CXA-5) (Mid) (APC)
Product Gene Name	anti-CX40 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservatives added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Immunoaffinity chromatography
Specificity	Recognizes mouse Connexin 40 protein at ~40kD. Reactivity has been confirmed with mouse heart homogenates by Western Blot and mouse heart tissue by Immunohistochemistry.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Synthetic peptide corresponding to an internal region of the mouse Connexin 40 (Cx40) protein.
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-CX40 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-CX40 antibody	Immunofluorescence (IF), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CX40 antibody	IF: 1-3ug/ml WB: 1-3ug/ml IHC: 1-3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CX40 antibody	MBS6470146 is an antibody targeting CX40. Also known as Connexin 40 (CX40, Gap Junction alpha 5 Protein, CXA-5) (Mid) (APC). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-CX40 antibody	1. Beyer EC, et al. J Membr Biol 127:69-76, 1992. 2. Bruzzone R, et al. Mol Biol Cell 4:7-20, 1993. 3. Hennemann H, et al. J Cell Biol 117:1299-1310, 1992. 4. Coppen SR, et al. Dev Genet 24:82-90, 1999. 5. van Kempen MJ, et al. Cardiovasc Res 32:886-900, 1996 6. Verheule S, et al. Circ Res 80:673-681, 1997. 7. Darrow BJ, et al. Circ Res 76:381-387, 1995. 8. Verheule S, et al. J Cardiovasc Electrophysiol 10:1380-1389, 1999. 9. Tamaddon HS, et al. Circ Res 87:929-936, 2000. 10. van Rijen HV, et al. Circulation 103:1591-1598, 2001. 11. van Kempen MJ and Jongsma HJ. Histochem Cell Biol 112:479-486, 1999. 12. Vozzi C, et al. J Mol Cell Cardiol 31:991-1003, 1999. 13. Yeh HI, et al. Arterioscler Thromb Vasc Biol 20:1753-1762, 2000. 14. Cottrell GT and Burt JM. Am J Physiol Cell Physiol 281:C1559-C1567, 2001.
Other Notes	Small volumes of anti-CX40 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CX40. It may not necessarily be applicable to this product.

Protein Family	Gap junction alpha-5 protein
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