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PRODUCT DATASHEET

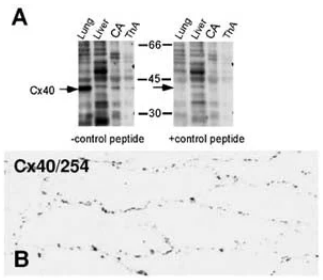
Anti-Connexin-40 (Cx40) Antibody

Product Details

Available Variants	100 µL (SKU:S-063-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Sheep
Format	Whole serum
Physical State	Lyophilized
Applications	IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100-1:250
Species Reactivity	Rat
Immunogen	A synthetic peptide consisting of amino acids 254 to 270 of the C-terminus of rat Cx40 (Cx40/254) conjugated to diphtheria toxoid has been used as the immunogen.
Specificity	It is reported that the Cx40/254 antibody did not cross react with rat Cx43 but may with Cx45 in Western blots only (Rummery, NM et al 2002).
Molecular Weight	40 kDa (See application details.)
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	P28234 UniProt Summary: One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	50563

Product Images



A: Western blotting of tissue extracts from rat brain, heart, lung, liver, caudal artery (CA) and thoracic aorta (ThA) using S-063-100. Arrows show the position of the expected Cx band. The left panels represent incubation with Cx antibody whereas right panels represent pre-incubation of the antibody with immunogenic peptide (adapted from Rummery, NM *et al* 2002, Supplementary Figure VII.)

B: Immunohistochemistry. En face view of Cx expression in endothelial cells of rat thoracic aorta with antibody S-063-100. Plaques can be seen outlining the perimeter of endothelial cells (adapted from Rummery, NM *et al.* 2002, Supplementary Figure IV.)

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