

UNC5B (D9M7Z) Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit IgG	UniProt ID: #Q8IZJ1	Entrez-Gene Io 219699
	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>				
itivity	UNC5B (D9M7Z) Rabbit mAb recognizes endogenous levels of total UNC5B protein.				
ed to react sequence	Xenopus				
ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly420 of human UNC5B protein.				
	Netrin proteins belong to an evolutionarily conserved family of laminin-like molecules that are involved in axon guidance and vascular development. These secreted proteins can have opposing functions depending on specific receptor association. For example, deleted in colorectal cancer (DCC) family receptors typically mediate cellular attraction (1,2) while netrin bound to UNC5 family receptors induce cellular repulsion (2-4). The uncoordinated 5B homolog (UNC5B) is a transmembrane protein with extracellular Ig-like domains and an intracellular region containing a protein-binding death domain and a putative DCC interaction domain (2). Homodimers composed of DCC receptor proteins mediate axonal attraction responses, while UNC5B homodimers and UNC5B-DCC heterodimers promote cellular repulsion (2). The netrin receptor UNC5B mediates apoptosis in the absence of netrin through the activation of DAP kinase (5) and is involved in leukocyte migration inhibition (6). Expression of UNC5B correlates with bladder cancer stage and the receptor is a potential predictor of both bladder and colorectal cancer prognosis and possible disease recurrence (7,8).				
ferences	1. Keino-Masu, K. et al. (1996) <i>Cell</i> 87, 175-85. 2. Hong, K. et al. (1999) <i>Cell</i> 97, 927-41. 3. Leung-Hagesteijn, C. et al. (1992) <i>Cell</i> 71, 289-99. 4. Lu, X. et al. (2004) <i>Nature</i> 432, 179-86. 5. Guenebeaud, C. et al. (2010) <i>Mol Cell</i> 40, 863-76. 6. Ly, N.P. et al. (2005) <i>Proc Natl Acad Sci U S A</i> 102, 14729-34. 7. Liu, J. et al. (2013) <i>Tumour Biol</i> 34, 2099-108. 8. Okazaki, S. et al. (2012) <i>Int J Oncol</i> 40, 209-16.				
•	sitivity ed to react sequence ation	Western Blotting Immunoprecipitation Supplied in 10 mM so 0.02% sodium azide. S Sitivity ed to react sequence Monoclonal antibody residues surrounding Netrin proteins belon in axon guidance and depending on specific receptors typically me cellular repulsion (2-4 extracellular Ig-like do a putative DCC interac axonal attraction resp repulsion (2). The neti activation of DAP kina correlates with bladdo colorectal cancer prod ferences 1. Keino-Masu, K. et al. 2. Hong, K. et al. (1999) 3. Leung-Hagesteijn, 4. Lu, X. et al. (2004) A 5. Guenebeaud, C. et	Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5 0.02% sodium azide. Store at -20°C. Do rostitivity UNC5B (D9M7Z) Rabbit mAb recognizes of the sequence Xenopus Monoclonal antibody is produced by immoresidues surrounding Gly420 of human to the Netrin proteins belong to an evolutionar in axon guidance and vascular developmed depending on specific receptor association receptors typically mediate cellular attractive cellular repulsion (2-4). The uncoordinate extracellular Ig-like domains and an intractive DCC interaction domain (2). He axonal attraction responses, while UNC5 repulsion (2). The netrin receptor UNC5B activation of DAP kinase (5) and is involved correlates with bladder cancer stage and colorectal cancer prognosis and possible services. 1. Keino-Masu, K. et al. (1996) Cell 87, 175 2. Hong, K. et al. (1999) Cell 97, 927-41. 3. Leung-Hagesteijn, C. et al. (1992) Cell 97, 927-41. 4. Lu, X. et al. (2004) Nature 432, 179-86. 5. Guenebeaud, C. et al. (2010) Mol Cell 44.	Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. UNC5B (D9M7Z) Rabbit mAb recognizes endogenous levels of to Editor Xenopus Monoclonal antibody is produced by immunizing animals with a residues surrounding Gly420 of human UNC5B protein. Netrin proteins belong to an evolutionarily conserved family of la in axon guidance and vascular development. These secreted pro depending on specific receptor association. For example, deleted receptors typically mediate cellular attraction (1,2) while netrin b cellular repulsion (2-4). The uncoordinated 5B homolog (UNC5B) extracellular Ig-like domains and an intracellular region containin a putative DCC interaction domain (2). Homodimers composed o axonal attraction responses, while UNC5B mediates apoptosis in t activation of DAP kinase (5) and is involved in leukocyte migratio correlates with bladder cancer stage and the receptor is a potent colorectal cancer prognosis and possible disease recurrence (7,8 1. Keino-Masu, K. et al. (1996) Cell 87, 175-85. 2. Hong, K. et al. (1999) Cell 97, 927-41. 3. Leung-Hagesteijn, C. et al. (1992) Cell 71, 289-99. 4. Lu, X. et al. (2004) Nature 432, 179-86. 5. Guenebeaud, C. et al. (2010) Mol Cell 40, 863-76.	Western Blotting Immunoprecipitation Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glyce 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. UNC5B (D9M7Z) Rabbit mAb recognizes endogenous levels of total UNC5B protein. Xenopus Monoclonal antibody is produced by immunizing animals with a synthetic peptide coresidues surrounding Gly420 of human UNC5B protein. Netrin proteins belong to an evolutionarily conserved family of laminin-like molecul in axon guidance and vascular development. These secreted proteins can have oppedepending on specific receptor association. For example, deleted in colorectal cance receptors typically mediate cellular attraction (1,2) while netrin bound to UNC5 fami cellular repulsion (2-4). The uncoordinated 5B homolog (UNC5B) is a transmembran extracellular Ig-like domains and an intracellular region containing a protein-binding a putative DCC interaction domain (2). Homodimers composed of DCC receptor prot axonal attraction responses, while UNC5B mediates apoptosis in the absence of netrin activation of DAP kinase (5) and is involved in leukocyte migration inhibition (6). Exp correlates with bladder cancer stage and the receptor is a potential predictor of bot colorectal cancer prognosis and possible disease recurrence (7,8). ferences 1. Keino-Masu, K. et al. (1996) Cell 87, 175-85. 2. Hong, K. et al. (1999) Cell 97, 927-41. 3. Leung-Hagesteijn, C. et al. (1992) Cell 71, 289-99. 4. Lu, X. et al. (2004) Nature 432, 179-86. 5. Guenebeaud, C. et al. (2010) Mol Cell 40, 863-76.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse R: Rat

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