#26372 Store at -20C

Contactin-2 (D4M7G) Rabbit mAb

| Crucici | orders@cellsignal.com |
|----------|---------------------------------------|
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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: WB | Reactivity: M R | Sensitivity: Endogenous | MW (kDa): 130 | Source/Isotype: Rabbit IgG | UniProt ID: #Q02246 | Entrez-Gene Id: 6900 |
|--|--|--|--|--|---|--|
| Product Usage Information | | lication stern Blotting | | | Dilution 1:1000 | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. | | | | erol and less than |
| Specificity / Sensitiv | vity Conta | Contactin-2 (D4M7G) Rabbit mAb recognizes endogenous levels of total contactin-2 protein. | | | rotein. | |
| Species predicted to react based on 1009 sequence homology | % | an | | | | |
| Source / Purification | | oclonal antibody is ues surrounding Va | | nunizing animals with a sontactin-2 protein. | synthetic peptide corre | esponding to |
| Background | critica nervo betwo potas (3,4). spect Conta expre axon intera Rese the c | al for the proper pro bus system (1). The een the axon and g ssium channels clu . Other proteins tha trin (5), ankyrin-G (actin-2 (CNTN2, TA essed at the juxtapa s (9,10). Contactin- action with Caspr2 earch studies indica orresponding CNTA | opagation and ra e structure and or glial cells (2). Volt stered at the para at contribute to the (6), and the L1 ce AG-1) is a glycos aranodal region of -2 plays an impor and the recruitme ate that contactin- N2 gene results i | gaps called nodes of R pid conduction of nerve rganization of the nodes age-gated sodium chan anodes are responsible e architecture and funct II adhesion molecules, r yl-phosphatidyl-inositol- of the nodes of Ranvier 1 tant role in the proper o ent of the Kv1.1 and Kv2 2 is a substrate of β -see n familial adult myoclon witches, and mild intelle | impulses in the centra of Ranvier is dictated nels concentrated at t for propagation of the ion of the nodes of Ra neurofascin and NrCA anchored cell adhesio by oligodendrocytes, S rganization of the juxt L.2 potassium channel cretase 1 (12,13). A de ic epilepsy-5, which is | al and peripheral by interaction he nodes and action potentials invier include βIV M (7,8). n protein that is Schwann cells, and aparanodes through I subunits (11). eletion mutation in |
| Background Refere | 2. Sa 3. Wa 4. Rit 5. Be 6. Zh 7. Da 8. Ra 9. Tra 10. Gir 11. Tra 12. Ku 13. Ga | chie, J.M. (1992) 7 rghs, S. et al. (200 ou, D. et al. (1998) wis, J.Q. et al. (199 ttcliffe, C.F. et al. (2 aka, M. et al. (2002 | euron 18, 843-6. (1989) Proc Natl A Trends Neurosci 1 0) J Cell Biol 151 1 J Cell Biol 143, 1 2001) J Cell Biol 13 2001) J Cell Biol 13 2001) J Cell Biol 13 2001) J Cell Biol 13 2001) J Cell Biol 162, 3 J Cell Biol 162, 2) EMBO J 31, 3 14) Mol Neurodeg | Acad Sci U S A 86, 140 15, 345-51. 1985-1002. 1295-304. 5, 1355-67. 154, 427-34. 3016-24. 10000 Neurobiol 12, 476 1161-72. 157-68. gener 9, 4. | | |

Species Reactivity

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

Western Blot Buffer

| 1/1/24, 9:18 AM | Contactin-2 (D4M7G) Rabbit mAb (#26372) Datasheet Without Images Cell Signaling Technology IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
|---------------------------|--|
| Applications Key | WB: Western Blotting |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
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