

Anti-Netrin receptor DCC DCC Antibody Picoband®

Catalog Number: PA1910

About DCC

DCC (Deleted IN Colorectal Carcinoma) also known as CRC18 or CRCR1. The DCC gene encodes a functional receptor for netrin and mediates axon outgrowth and the steering response. Heterozygous loss-of-function mutations in DCC can result in congenital mirror movements. Alterations in DCC occur frequently in colorectal cancer. Studying a YAC contig containing the entire DCC coding region, they showed that the DCC gene spans approximately 1.4 Mb. Vogelstein (1995) stated that the precise location of the DCC gene was though to be 18q21.3. DCC is a receptor or a component of a receptor that mediates the effects of netrin-1 on commissural axons, and they complement genetic evidence for interactions between DCC and netrin homologs in C. DCC protein could be detected in varying abundance in all specimens of normal colonic mucosa analyzed as well as in all specimens of adenomatous polyps, colorectal carcinoma and colorectal liver metastases. DCC may function as a tumor-suppressor protein by inducing apoptosis in settings in which ligand is unavailable (for example, during metastasis or tumor growth beyond local blood supply) through functional caspase cascades by a mechanism that requires cleavage of DCC at asp1290. Stein et al. (2001) concluded that DCC plays a central role in netrin signaling of axon growth and guidance independent of A2B receptor activation.

Overview

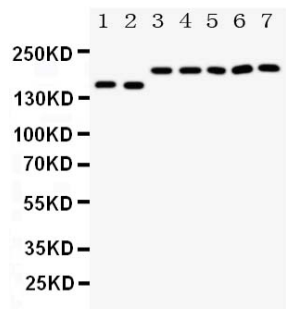
Product Name	Anti-Netrin receptor DCC DCC Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Netrin receptor DCC DCC Antibody catalog # PA1910. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P43146

Technical Details

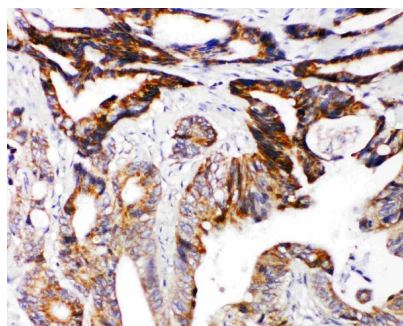
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Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DCC, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

Anti-Netrin receptor DCC DCC Antibody Picoband® (PA1910) Images



Anti-DCC antibody, PA1910, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Mouse Brain Tissue Lysate
Lane 3: U87 Cell Lysate
Lane 4: SW620 Cell Lysate
Lane 5: COLO320 Cell Lysate
Lane 6: 293T Cell Lysate
Lane 7: HELA Cell Lysate



Anti-DCC antibody, PA1910, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

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Anti-Netrin receptor DCC DCC Antibody

For Research Use Only. Not for use in diagnostic procedures.