

bs-22041R**[Primary Antibody]****DCC Rabbit pAb****BioSS**
ANTIBODIES

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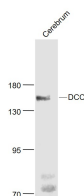
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 1630 Target: DCC Immunogen: KLH conjugated synthetic peptide derived from human DCC: 821-920/1461. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Deleted in colorectal cancer (DCC, chromosome 18q21) was originally identified as a putative tumor suppressor gene that is lost in more than 70% of colorectal cancers. The gene has also been deleted in several other types of cancer. The DCC protein is a type I transmembrane glycoprotein that belongs to the immunoglobulin (Ig) superfamily. The extracellular domain is composed of four Ig like domains and six fibronectin type III repeats. Native DCC is found in three isoforms. Two forms, a long and a short isoform, are produced from the same gene but have different initiation sites. The third isoform, produced by alternative splicing, is expressed only in embryonic tissue. Mouse DCC extracellular domain shares 97% and 99% homology with human and rat DCC extracellular domains, respectively. In adults, DCC is highly expressed in the brain but is also expressed at very low levels in multiple normal tissues. In the embryo, high levels of expression are detected in the brain and neural tube. DCC functions as a receptor or a component of a receptor for netrins and mediates the effects of netrins on commissural axons. Netrins are chemoattractants responsible for the guidance of commissural axons at the midline and of motor axons to their target muscles. DCC induces apoptosis in the absence of ligand binding, blocks apoptosis when engaged by netrin 1, and also acts as a caspase substrate.	Isotype: IgG SWISS: P43146 Applications: WB (1:500-2000) Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 158 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Cerebrum (Rat) Lysate at 40 ug Primary:
Anti-DCC (bs-22041R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 158 kD
Observed band size: 158 kD

— SELECTED CITATIONS —

- **[IF=2.45]** Ebenyi Emeka Onwe et al. Predictive Potential of PD-L1, TYMS, and DCC Expressions in Treatment Outcome of

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

