

**bs-9220R****[ Primary Antibody ]****C1orf187/Draxin Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

sales@bioss.com.cn

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400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 374946	<b>SWISS:</b> Q8NBI3	<b>IHC-F</b> (1:100-500)
<b>Target:</b> C1orf187/Draxin		<b>IF</b> (1:50-200)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human C1orf187: 261-349/349.		<b>ELISA</b> (1:5000-10000)
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Chicken)
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 36 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Extracellular matrix
<b>Background:</b> C1orf187, also known as Draxin, Dorsal repulsive axon guidance protein and Neucrin, is a 349 amino acid secreted protein that is required of the development of the spinal cord and forebrain commissures. C1orf187 acts as a chemorepulsive guidance protein and directs commissural axons during development by repelling neurite outgrowth from the spinal cord. During development, C1orf187 modulates neural crest migration by reducing the polarization of these cells, leading to reduced velocity of migration and increased frequency of changing direction, leading to a net decrease in migrational distance. It acts as an antagonist of the Wnt signaling pathway by inhibiting the stabilization of cytosolic $\beta$ -catenin via its interaction with LRP6. C1orf187 inhibits outgrowth from the olfactory bulb and likely contributes to the formation of the lateral olfactory tract.		

**— SELECTED CITATIONS —**

- **[IF=2.866]** Jia, Yulong. et al. DRAXIN as a Novel Diagnostic Marker to Predict the Poor Prognosis of Glioma Patients. J MOL NEUROSCI. 2022 Aug;;1-14 IHC ;Human. 36040678