

Anti-Draxin (C-terminal region) Antibody
Catalog # AN1750**Specification**

Anti-Draxin (C-terminal region) Antibody - Product Information

Application	WB
Primary Accession	Q8NBI3
Reactivity	Bovine, Chicken
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	38650

Anti-Draxin (C-terminal region) Antibody - Additional Information

Gene ID	374946
Other Names	
C1orf187	

Target/Specificity

The developing nervous system assembles with the help of guidance molecules that control the trajectory of growing neurons. Axon guidance proteins such as, netrins, semaphorins, ephrins, and slits, are critical extracellular matrix cues for correctly wiring of the nervous system. Draxin is an axon guidance protein that has been observed to repel neurite outgrowth from dorsal spinal cord and cortical explants in vitro. Chick draxin consists of 349 amino acids with a putative signal peptide sequence at the N-terminal end but no membrane anchoring sequence, which suggests that draxin is a secreted protein. The ectopically expressed draxin has been shown to inhibit growth or cause misrouting of chick spinal cord commissural axons in vivo. In both chick and mouse, commissural neurons require draxin to successfully cross the midline and form the major commissures of the brain. Thus, draxin is a chemorepulsive axon guidance molecule required for the development of the spinal cord and forebrain commissures.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Draxin (C-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

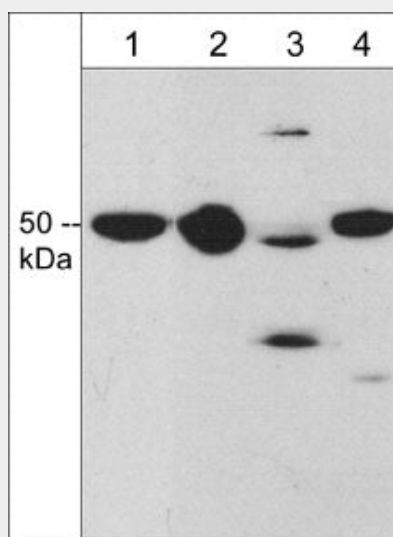
Anti-Draxin (C-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

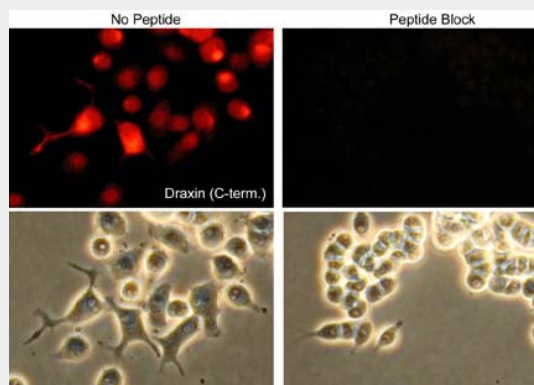
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Draxin (C-terminal region) Antibody - Images



Western blot analysis of draxin expression in rat PC12 cells (lane 1), rat P1 brain (lane 2), adult mouse brain (lane 3), and chick E9 brain (lane 4). The blot was probed with rabbit polyclonal anti-Draxin (C-terminal region) at 1:1000.



Immunocytochemical labeling of Draxin in rat PC12 cells differentiated with NGF. The cells were probed with Draxin (C-terminal region) rabbit polyclonal antibody, then the antibody was detected using appropriate secondary antibody conjugated to Cy3. The antibody was used in the absence (left) or presence (right) of blocking peptide (DX3675). Lower images show corresponding phase images.

Anti-Draxin (C-terminal region) Antibody - Background

The developing nervous system assembles with the help of guidance molecules that control the trajectory of growing neurons. Axon guidance proteins such as, netrins, semaphorins, ephrins, and slits, are critical extracellular matrix cues for correctly wiring of the nervous system. Draxin is an axon guidance protein that has been observed to repel neurite outgrowth from dorsal spinal cord

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