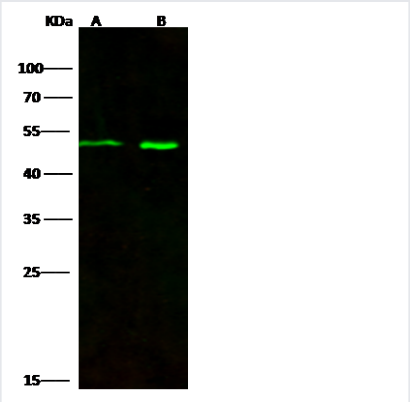
DRAXIN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Draxin, Polyclonal Antibody
Full Product Name	Anti-Draxin Antibody, Rabbit Polyclonal
Product Gene Name	anti-DRAXIN antibody
Product Synonym Names	DRAXIN Antibody, Rabbit PAb, Antigen Affinity Purified; dorsal inhibitory axon guidance protein; Anti-AGPA3119 Antibody; Anti-C1orf187 Antibody; Anti-neucrin Antibody; Anti-UNQ3119 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human DRAXIN
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Molecular Weight	38,650 Da
OMIM	612682
3D Structure	ModBase 3D Structure for Q8NBI3
Immunogen	Recombinant Human DRAXIN protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human DRAXIN (rh DRAXIN). DRAXIN specific IgG was purified by Human DRAXIN affinity chromatography.
Applications Tested/Suitable for anti-DRAXIN antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-DRAXIN antibody	WB: 1:500-1:1000 ELISA: 1:25,000-1:50,000
Related Product Information for anti-DRAXIN antibody	MBS8107698 is an antibody targeting DRAXIN. Also known as Anti-Draxin Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-DRAXIN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-DRAXIN antibody
Anti-DRAXIN rabbit polyclonal antibody at 1:500 dilutionLane A: Rat brain Tissue LysateLane B: Mouse brain Tissue LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.Predicted band size:38 kDaObserved band size:50 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DRAXIN. It may not necessarily be applicable to this product.

NCBI GI #	86990448
NCBI GeneID	374946
NCBI Accession #	NP_940947.3
UniProt Primary Accession #	Q8NBI3
UniProt Secondary Accession #	Q5SNX0; Q6UWK8; B6EV15
UniProt Related Accession #	Q8NBI3
GenBank Nucleotide #	NM_198545.3
NCBI Official Full Name	draxin
NCBI Official Synonym Full Names	dorsal inhibitory axon guidance protein
NCBI Official Symbol	DRAXIN
NCBI Official Synonym Symbols	UNQ3119; neucrin; AGPA3119; C1orf187
UniProt Protein Name	Draxin
UniProt Synonym Protein Names	Dorsal inhibitory axon guidance protein; Dorsal repulsive axon guidance protein
Protein Family	Draxin
UniProt Gene Name	DRAXIN
UniProt Entry Name	DRAXI_HUMAN
NCBI Protein Information	draxin

UniProt Comments for DRAXIN	DRAXIN: Chemorepulsive axon guidance protein required for the development of spinal cord and forebrain commissures. Acts as a chemorepulsive guidance protein for commissural axons during development. Able to inhibit or repel neurite outgrowth from dorsal spinal cord. Inhibits the stabilization of cytosolic beta- catenin (CTNNB1) via its interaction with LRP6, thereby acting as an antagonist of Wnt signaling pathway. Belongs to the draxin family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p36.22 Cellular Component: extracellular region Biological Process: dorsal spinal cord development; axon guidance; Wnt receptor signaling pathway; forebrain development; commissural neuron differentiation in the spinal cord; negative regulation of neuron apoptosis; negative regulation of axon extension
Research Articles on DRAXIN	**1.** results suggest that draxin functions as a repulsive guidance cue for PCN migration. However, we observed no significant differences in PCN distribution between draxin(-/-) and wild type embryos.
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