

DATASHEET

UNC5B Rabbit Polyclonal Antibody

CAT. NO. APA17249

KEY FEATURES

Target	UNC5B	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion . Functions as a netrin receptor that negatively regulates vascular branching during angiogenesis. Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin . It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand . Mediates apoptosis by activating DAPK1. In the absence of NTN1, activates DAPK1 by reducing its autoinhibitory phosphorylation at Ser-308 thereby increasing its catalytic activity .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

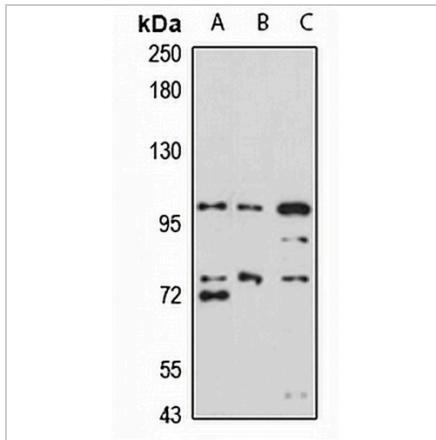
Description	Rabbit polyclonal antibody to UNC5B
Specificity	Recognizes endogenous levels of UNC5B protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human UNC5B. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 102; Observed: 104 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	P53RDL1; UNC5H2; Netrin receptor UNC5B; Protein unc-5 homolog 2; Protein unc-5 homolog B; p53-regulated receptor for death and life protein 1
Gene Symbol	UNC5B
Entrez Gene	219699(Human); 107449(Mouse); 60630(Rat)
SwissProt	Q8IZJ1(Human); Q8K1S3(Mouse); O08722(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of UNC5B expression in A549 (A), mouse kidney (B), rat brain (C) whole cell lysates. (Predicted band size: 102; 103 kD; Observed band size: 104 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.