Datasheet for ABIN7151866

anti-EPH Receptor B3 antibody (AA 261-390) (FITC)

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Overview

Quantity:	100 µg
Target:	EPH Receptor B3 (EPHB3)
Binding Specificity:	AA 261-390
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B3 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Ephrin type-B receptor 3 protein (261-390AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EPH Receptor B3 (EPHB3)
Alternative Name:	EPHB3 (EPHB3 Products)
Background:	Background: Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling

Target Details

	into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Generally has an overlapping and redundant function with EPHB2. Like EPHB2, functions in axon guidance during development regulating for instance the neurons forming the corpus callosum and the anterior commissure, 2 major interhemispheric connections between the temporal lobes of the cerebral cortex. In addition to its role in axon guidance plays also an important redundant role with other ephrin-B receptors in development and maturation of dendritic spines and the formation of excitatory synapses. Controls other aspects of development through regulation of cell migration and positioning. This includes angiogenesis, palate development and thymic epithelium development for instance. Forward and reverse signaling through the EFNB2/EPHB3 complex also regulate migration and adhesion of cells that tubularize the urethra and septate the cloaca. Finally, plays an important role in intestinal epithelium differentiation segregating progenitor from differentiated cells in the crypt. Aliases: Cek10 antibody, EK2 antibody, Embryonic kinase 2 antibody, EPH Like Tyrosine Kinase 2 antibody, EPH receptor B3 antibody, EPH-like kinase 2 antibody, ephb3 antibody, EPHB3_HUMAN antibody, Ephrin receptor EphB3 antibody, Ephrin type B receptor 3 antibody, Ephrin type-B receptor 3 antibody, ETK2 antibody, hEK2 antibody, Human Embryo Kinase 2 antibody, Mdk5 antibody, Sek4 antibody, TYRO6 antibody, Tyrosine protein kinase receptor HEK2 antibody, Tyrosine protein kinase TYRO6 antibody, Tyrosine-protein kinase TYRO6 antibody
UniProt:	P54753
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.