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# Datasheet for ABIN7151879 anti-Ephrin B2 antibody (AA 28-229)

3 Images



Overview

Quantity:	100 μL
Target:	Ephrin B2 (EFNB2)
Binding Specificity:	AA 28-229
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

### Product Details

Immunogen:	Recombinant Human Ephrin-B2 protein (28-229AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

### Target Details

Target:	Ephrin B2 (EFNB2)
Alternative Name:	EFNB2 (EFNB2 Products)
Background:	Background: Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine
	kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and

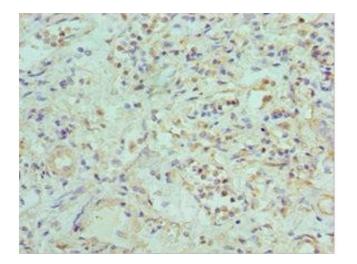
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7151879 | 09/09/2023 | Copyright antibodies-online. All rights reserved.

	epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading
	to contact-dependent bidirectional signaling 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. Binds to receptor tyrosine
	kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart
	morphogenesis and angiogenesis through regulation of cell adhesion and cell migration.
	EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-
	expressing cells. May play a role in constraining the orientation of longitudinally projecting
	axons.
	Aliases: EFN B2 antibody, EFNB 2 antibody, Efnb2 antibody, EFNB2_HUMAN antibody, Eph
	related receptor tyrosine kinase ligand 5 antibody, EPH-related receptor tyrosine kinase ligand 5
	antibody, ephrin B2 antibody, Ephrin-B2 antibody, EphrinB2 antibody, EPLG 5 antibody, EPLG5
	antibody, Htk L antibody, HTK ligand antibody, HTK-L antibody, HTKL antibody, LERK 5
	antibody, LERK-5 antibody, LERK5 antibody, Ligand of eph related kinase 5 antibody,
	MGC126226 antibody, MGC126227 antibody, MGC126228 antibody, OTTMUSP00000024973
	antibody
UniProt:	P52799
Pathways:	RTK Signaling, Regulation of Muscle Cell Differentiation

## Application Details

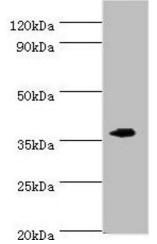
Application Notes:	Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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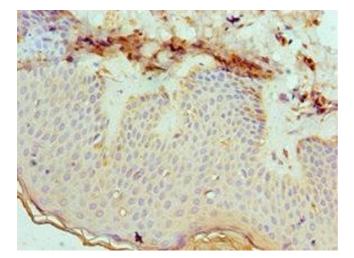
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7151879 at dilution of 1:100



#### Western Blotting

**Image 2.** Western blot All lanes: EFNB2 antibody at 6 μg/mL + Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 37 kDa Observed band size: 37 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human skin tissue using ABIN7151879 at dilution of 1:100