Ephrin-B2(Ab-330) Antibody

Catalog No: #21196

Package Size: #21196-1 50ul #21196-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Ephrin-B2(Ab-330) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IF,WB,IHC,ELISA
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Ephrin-B2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide of human EFNB2
Conjugates	Unconjugated
Target Name	Ephrin-B2
Other Names	EFNB2; HTKL; LERK5
Accession No.	Swiss-Prot: P52799NCBI Protein: NP_004084.1
Concentration	0.8 mg/ml
Formulation	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

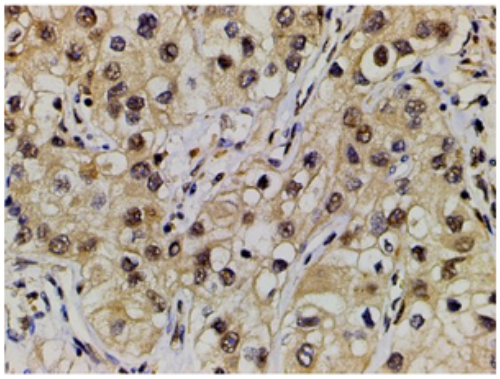
Application Details

WB: 1:500~1:2000

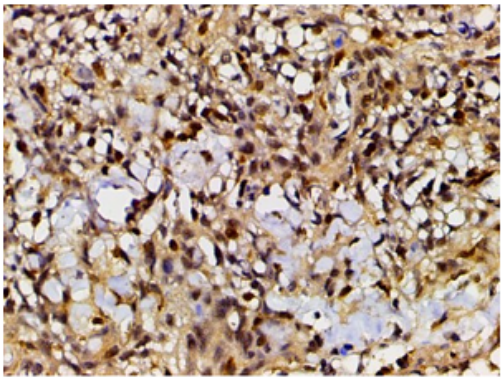
IHC: 1:50~1:200

IF:1:20~1:50

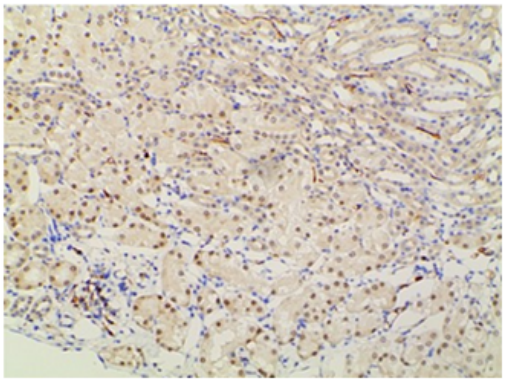
Images



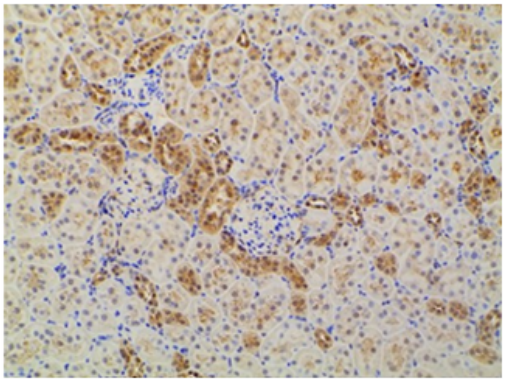
21196 at 1/200 staining human renal clear cell carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



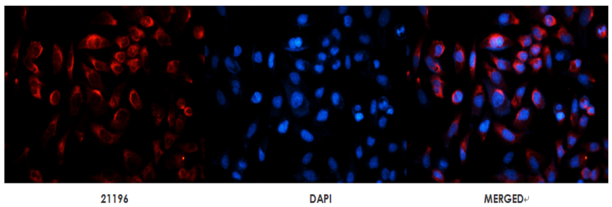
21196 at 1/200 staining human meningeal carcinomatosis(MC) tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



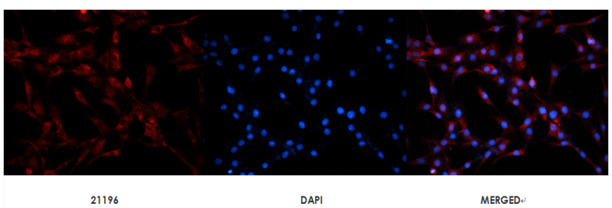
21196 at 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



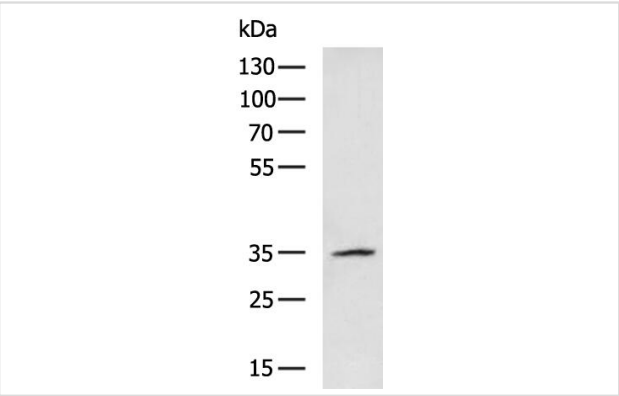
21196 at 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



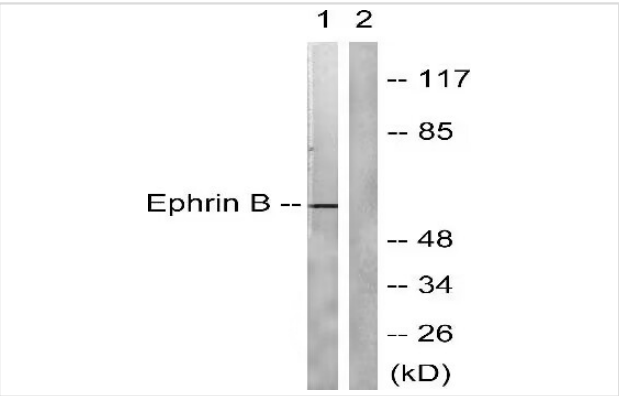
Immunofluorescent analysis of formalin-fixed, paraffin-embedded hela cells with 21196 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.



Immunofluorescent analysis of formalin-fixed, paraffin-embedded C6 cells with 21196 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.



Gel: 8% SDS-PAGELysate: 40 ug Lane: A549 cell lysatePrimary antibody: Ephrin-B2(Ab-330) Antibody at dilution 1/800Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilutionExposure time: 10 seconds



All Lanes: Ephrin-B2(Ab-330) Antibody at 1/1000 dilution.Lane1:B 293 cells treated with 20ng/ml TNF-a for 30minLane2:B 293 cells blocked with the phospho peptide.Lysates/ Proteins at 60ug per lane Secondary: Goat Anti-Rabbit IgG(HRP) at 1/20000 dilutionPredicted band size : 37kDaObserved band size:B 57kDa

Background

Ephrin-B2 encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a lycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.

Chrencik JE,et al.(2006) J Biol Chem;281(38):28185-28192.

Kertesz N, et al. (2006) Blood; 107(6):2330-2338.

Noren NK, et al. (2004) Proc Natl Acad Sci USA; 101(15):5583-5588.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.