

# Ephrin-B2(Ab-330) Antibody

Catalog No: #21196

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

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | Ephrin-B2(Ab-330) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antigen affinity purification   |
| Applications          | IF, WB, IHC, ELISA  |
| Species Reactivity    | Human, Mouse  |
| Specificity           | The antibody detects endogenous level of total Ephrin-B2 protein.                         |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Synthetic peptide of human EFNB2  |
| 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% NaN <sub>3</sub> , 40% Glycerol  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

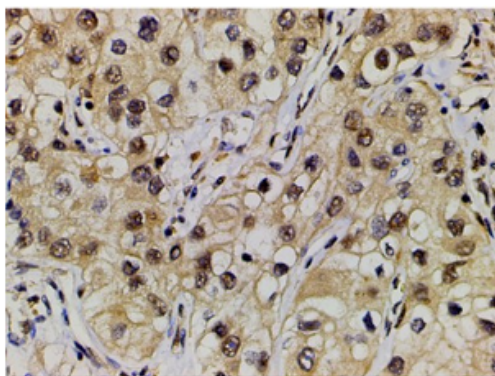
## Application Details

WB: 1:500~1:2000

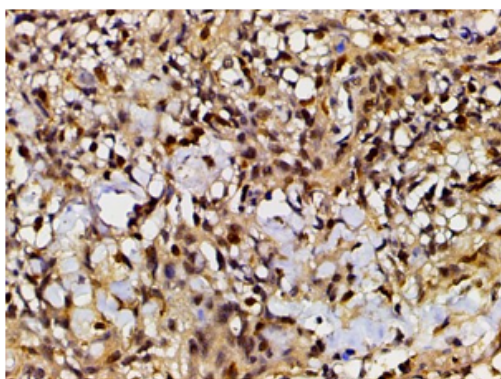
IHC: 1:50~1:200

IF: 1:20~1:50

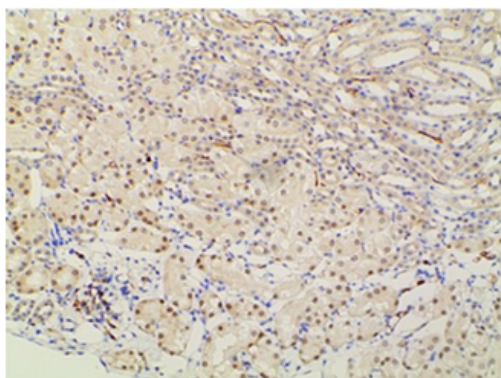
## Images



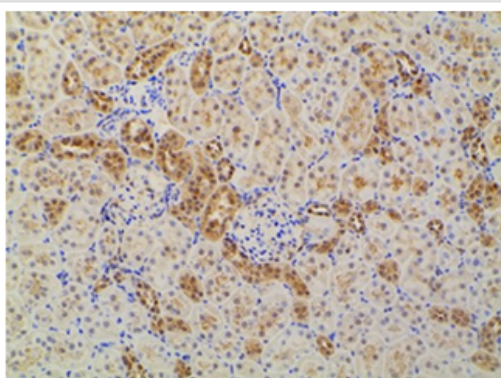
21196-lot 7326 at 1/200 staining human renal clear cell carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



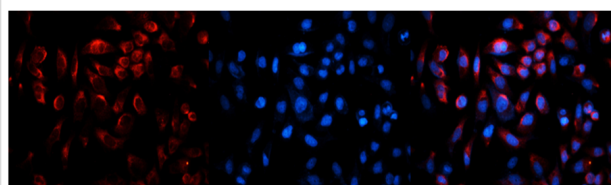
21196-lot 7326 at 1/200 staining human meningeal carcinomatosis(MC) tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



21196-lot 7326 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

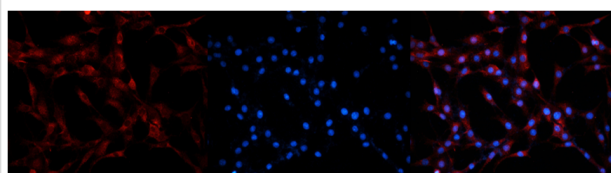


21196-lot 7326 at 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



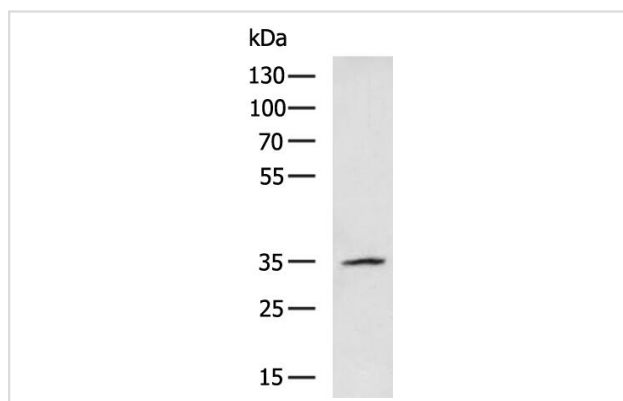
21196 DAPI MERGED

Immunofluorescent analysis of formalin-fixed, paraffin-embedded hela cells with 21196-lot 7326 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.

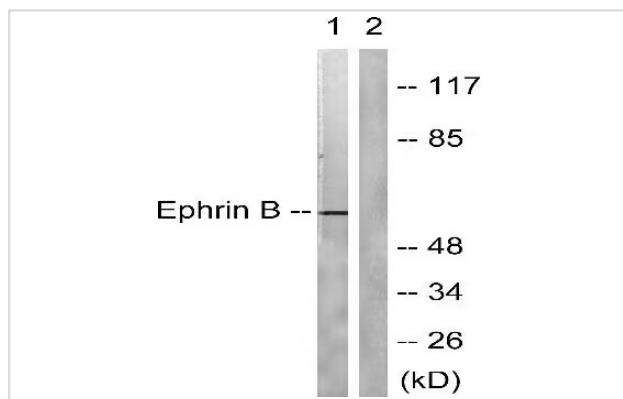


21196 DAPI MERGED

Immunofluorescent analysis of formalin-fixed, paraffin-embedded C6 cells with 21196-lot 7326 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.



Gel: 8% SDS-PAGE Lysate: 40  $\mu$ g Lane: A549 cell lysate  
 Primary antibody: Ephrin-B2(Ab-330) Antibody at dilution 1/800  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 10 seconds



All Lanes: Ephrin-B2(Ab-330) Antibody at 1/1000 dilution.  
 Lane1: B 293 cells treated with 20ng/ml TNF- $\alpha$  for 30min  
 Lane2: B 293 cells blocked with the phospho peptide.  
 Lysates/ Proteins at 60ug per lane  
 Secondary: Goat Anti-Rabbit IgG(HRP) at 1/20000 dilution  
 Predicted band size : 37kDa  
 Observed 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 glycosylphosphatidylinositol 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.