

## Ephrin-B2(Ab-330) Antibody

Catalog No: #AB21196



Package Size: #AB21196-1 50ul #AB21196-2 100ul #AB21196-4 25ul

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## Description

Product Name	Ephrin-B2(Ab-330) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Ephrin-B2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.328~332 (N-I-Y-Y-K) derived from Human Ephrin B (ephrin-B2).
Target Name	Ephrin-B2
Other Names	EFNB2; HTKL; LERK5
Accession No.	Swiss-Prot: P52799NCBI Protein: NP_004084.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

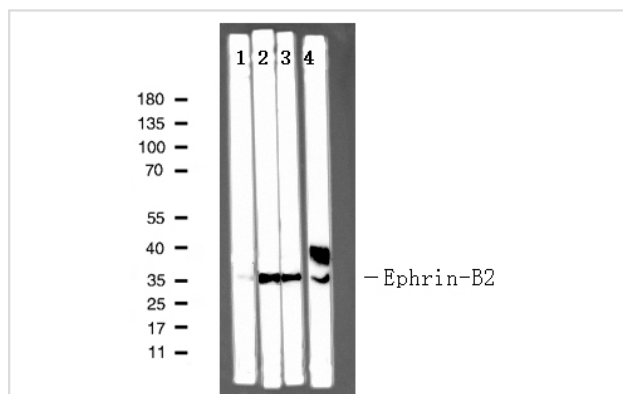
Predicted MW: 37kd

Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Immunohistochemistry: 1:100~1:200

## Images



All lanes : Ephrin-B2(Ab-330) Antibody(AB21196) at 1/1000 dilution

Lane 1 : Mouse spleen tissue;

Lane 2 : Rat spleen tissue;

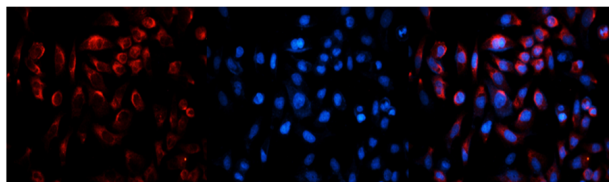
Lane 3 : HEK293 cell extract;

Lane 4 : 293T cell extract;

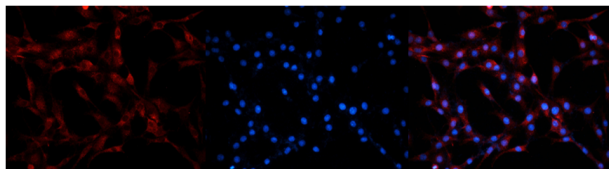
Lysates/proteins at 40 µg per lane.

Predicted band size : 37 kDa

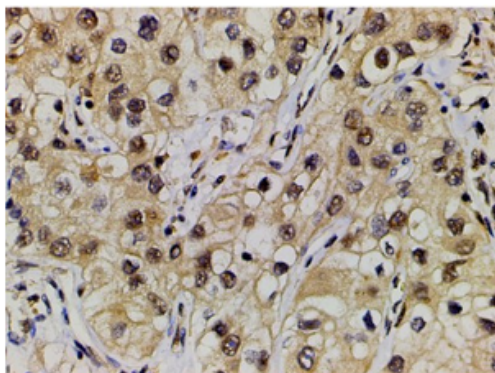
Observed band size : 37 kDa



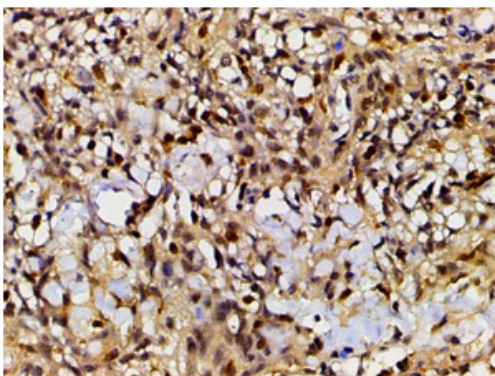
Immunofluorescent analysis of formalin-fixed, paraffin-embedded hela cells with AB21196 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.



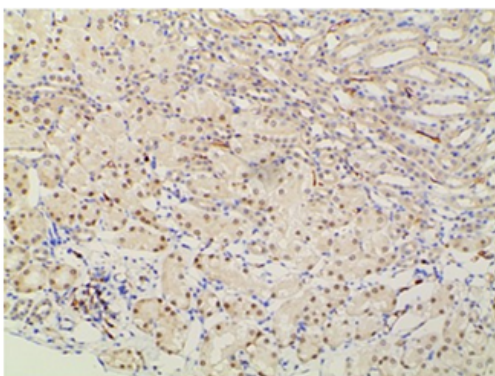
Immunofluorescent analysis of formalin-fixed, paraffin-embedded C6 cells with AB21196 at 1/75 dilution. A Goat Anti-Rabbit IgG H&L (CY3) at 1/50 was used as secondary.



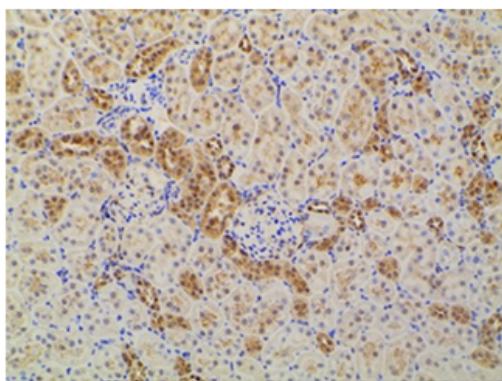
AB21196 at 1/200 staining human renal clear cell carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



AB21196 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



AB21196 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



AB21196 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.

## 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.