

# Human EphA2 antibody

Catalog Number: ATGA0441

## PRODUCT INFORMATION

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**Catalog number**

ATGA0441

**Clone No.**

AT66G9

**Product type**

Monoclonal Antibody

**UnitProt No.**

P29317

**NCBI Accession No.**

NP\_004422

**Alternative Names**

EPH receptor A2, Ephrin type-A receptor 2, EPHA2, Epithelial cell kinase, Tyrosine-protein kinase receptor ECK, ARCC2, CTPA, CTPP1, CTRCT6

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human EPHA2 (27-537aa) purified from E. coli

**Isotype**

IgG2b kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB, ICC/IF

**Usage**

The antibody has been tested by ELISA, Western blot analysis, and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

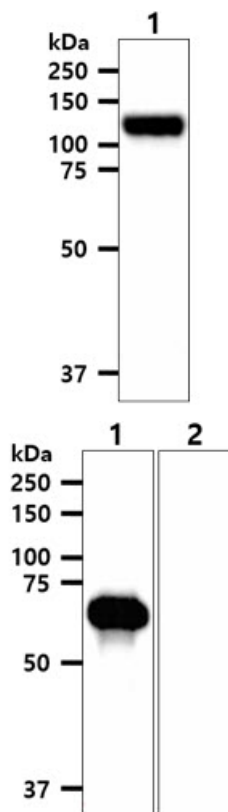
EPHA2, also known as ephrin type-A receptor 2, is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. It is implicated as positional labels that may guide the development of neural topographic maps. It has also been found implicated in embryonic patterning, neuronal targeting, vascular development and adult neovascularization.

### General References

Flanagan JG., et al. (1998) *Annu Rev Neurosci.* 21: 309-345.  
Cheng N., et al. (2002) *Cytokine Growth Factor Rev.* 13: 75-85.

## DATA

### Western blot analysis (WB)



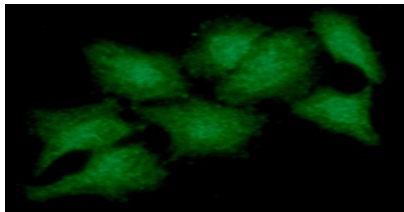
The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHA2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1 : PC3 cell lysate

Recombinant proteins (20ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHA2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1 : Recombinant human EPHA2 extracellular domain  
Lane 2 : Recombinant human EPHA2 cytoplasmic domain

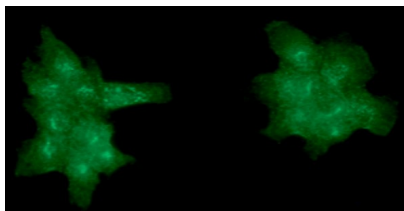
### Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of EPHA2 in HeLa cell line, stained monoclonal anti-human EPHA2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC/IF analysis of EPHA2 in A431 cell line, stained monoclonal anti-human EPHA2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).