

Datasheet for ABIN1406518

## anti-EPH Receptor B1 antibody (pTyr968) (Cy5)



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | EPH Receptor B1 (EPHB1)                                                                                                        |
| Binding Specificity: | pTyr968                                                                                                                        |
| Reactivity:          | Mouse, Rat                                                                                                                     |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This EPH Receptor B1 antibody is conjugated to Cy5                                                                             |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human EphB1 around the phosphorylation site of Tyr968 |
| Isotype:              | IgG                                                                                                        |
| Cross-Reactivity:     | Mouse, Rat                                                                                                 |
| Predicted Reactivity: | Human                                                                                                      |
| Purification:         | Purified by Protein A.                                                                                     |

### Target Details

|         |                         |
|---------|-------------------------|
| Target: | EPH Receptor B1 (EPHB1) |
|---------|-------------------------|

## Target Details

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| Alternative Name: | Eph receptor B1 ( <a href="#">EPHB1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Background:       | <p>Synonyms: Eph receptor B1phospho Y968, EphB1phospho Y968Cek 6, Elkh, Eph tyrosine kinase 2, EPH2, EphB1, Ephrin receptor Eph B1 precursor, Ephrin type B receptor 1, HEK 6, NET, Neuronally expressed EPH related tyrosine kinase, Tyrosine protein kinase receptor EPH 2.</p> <p>Background: EphB1, previously known as Elk (eph like kinase), is a receptor tyrosine kinase of the highly tissue restricted family of eph proteins. EphB1 and other ephB family members are type 1 membrane spanning proteins, comprised of immunoglobulin, fibronectin type III, and cysteine rich subdomains in the ecto domain, and the single uninterrupted cytoplasmic tyrosine kinase domain upstream of a carboxyterminal sterile alpha motif (SAM) domain. EphB family proteins bind ephrins of the B class. EphB1 is expressed predominately in developing neural structures in embryos, and in vascular epithelium of kidney, and other tissues. Upon binding to alternatively oligomerized ephrin B1, EphB1 signals regulation of cell attachment and cell to cell assembly. Members of this protein family are implicated in neuronal and vascular cell targeting.</p> |
| Gene ID:          | 2047                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Pathways:         | <a href="#">RTK Signaling</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Application Details

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|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |