

Datasheet for ABIN3042375  
**anti-EPH Receptor B1 antibody (N-Term)**



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	EPH Receptor B1 (EPHB1)
Binding Specificity:	AA 56-88, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ephrin type-B receptor 1(EPHB1) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Eph receptor B1 (56-88aa RTYQVCNVFEPNQNWLLTTFINRRGAHRIYTE) , identical to the related mouse and rat sequences.
Sequence:	RTYQVCNVFE PNQNNWLLTT FINRRGAHRI YTE
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Ephrin type-B receptor 1(EPHB1) detection. Tested with WB, IHC-P in Human. Gene Name: EPH receptor B1

## Product Details

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Protein Name: Ephrin type-B receptor 1

Purification: Immunogen affinity purified.

## Target Details

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Target: EPH Receptor B1 (EPHB1)

Alternative Name: EPHB1 ([EPHB1 Products](#))

Background: Ephrin type-B receptor 1 is a protein that in humans is encoded by the EPHB1 gene. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members.

Synonyms: Cek 6 antibody|EK6 antibody|ELK antibody|Elkh antibody|EPH receptor B1 antibody|Eph tyrosine kinase 2 antibody|EPH-like kinase 6 antibody|Ephb1 antibody|EPHB1\_HUMAN antibody|Ephrin type B receptor 1 antibody|Ephrin type-B receptor 1 antibody|EPHT2 antibody|HEK 6 antibody|HEK6 antibody|NET antibody|Neuronally-expressed EPH-related tyrosine kinase antibody|soluble EPHB1 variant 1 antibody| Tyrosine protein kinase receptor EPH 2 antibody|Tyrosine-protein kinase receptor EPH-2 antibody

Gene ID: 2047

UniProt: [P54762](#)

Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

## Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

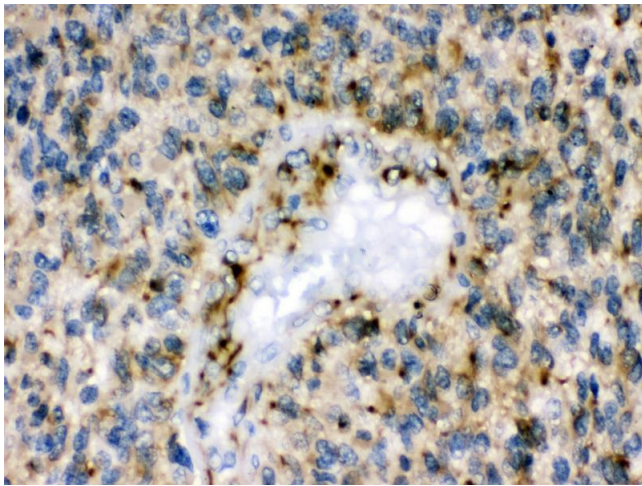
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Validation report #103590 for Western Blotting (WB)



### Western Blotting

**Image 1.** Observed bind size: 111KD



### Immunohistochemistry

**Image 2.** Anti- Eph receptor B1 Picoband antibody, IHC(P)  
IHC(P): Human Glioma Tissue