

Datasheet for ABIN875416

## **anti-Ephrin B1 antibody (pSer300) (AbBy Fluor® 555)**



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### Overview

Quantity:	100 µL
Target:	Ephrin B1 (EFNB1)
Binding Specificity:	pSer300
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B1 antibody is conjugated to AbBy Fluor® 555
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Ephrin B around the phosphorylation site of Ser300
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Ephrin B1 (EFNB1)
Alternative Name:	EFNB1 ( <a href="#">EFNB1 Products</a> )
Background:	Synonyms: Ephrin B phospho Y330, p-Ephrin B phospho Y330, CEK5 ligand, EFNB1, ELK L,

## Target Details

EphrinB, Ephrin-B, ELK ligand, ELKL, EPH related receptor tyrosine kinase ligand 2, Ephrin B Precursor, Ephrin B1, Ephrin B2, LERK 2, LERK2, EFNB2\_HUMAN.

Background: Ephrin B proteins are thought to play key roles in cellular functions as diverse as neuronal migration and blood vessel development. Ephrin B molecules expressed at the membrane surface bind to the Ephrin B family receptors on target cells during cell to cell contact. This interaction leads to cell signaling in the target cell but also generates a reverse signal in the cell expressing Ephrin B on its surface. This reverse signaling event is thought to be critical for vessel maturation and neuronal development. Importantly, tyrosine phosphorylation of Ephrin B is thought to be a critical component of this reverse signaling event. Recent work demonstrated that Tyr331 of Ephrin B was phosphorylated in HEK293 cells after stimulation by the soluble Ephrin B2 receptor tyrosine kinase.

Molecular Weight: 38kDa

Gene ID: 1947

Pathways: [RTK Signaling](#)

## Application Details

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: Sodium azide

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

Storage: -20 °C

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

Expiry Date: 12 months