

Datasheet for ABIN391922

**anti-EPH Receptor B3 antibody (N-Term)**[Go to Product page](#)**2** Images**1** Publication

## Overview

Quantity:	400 µL
Target:	EPH Receptor B3 (EPHB3)
Binding Specificity:	AA 29-59, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This EphB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-59 amino acids from the N-terminal region of human EphB3.
Clone:	RB1653
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	EPH Receptor B3 (EPHB3)
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## Target Details

Alternative Name:	EphB3 ( <a href="#">EPHB3 Products</a> )
Background:	<p>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. EphB3, a member of the Tyr family of protein kinases, is a receptor for members of the ephrin-B family, it binds to both ephrin-B1 and -B2. Expression of this Type I membrane protein is ubiquitous. The protein contains putative domains for 2 fibronectin type III and 1 sterile alpha motif (SAM).</p>
Molecular Weight:	110330
Gene ID:	2049
NCBI Accession:	<a href="#">NP_004434</a>
UniProt:	<a href="#">P54753</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

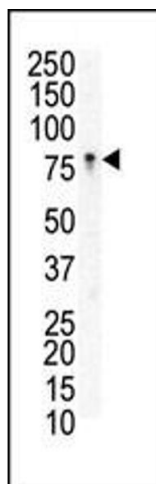
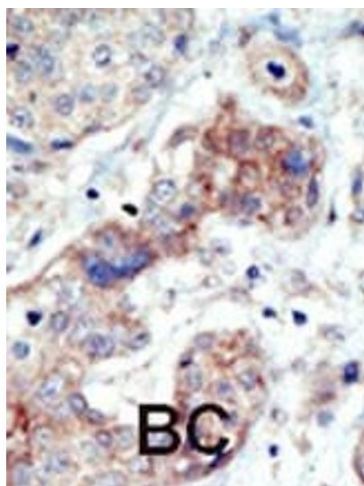
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Gao, Zhang, Wang, Wang, Zhang: "EphB3 protein is associated with histological grade and FIGO stage in ovarian serous carcinomas." in: **APMIS : acta pathologica, microbiologica, et immunologica Scandinavica**, Vol. 125, Issue 2, pp. 122-127, (2017) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

**Image 2.** Western blot analysis of anti-EphB3 N-term Pab (ABIN391922 and ABIN2841732) in Jurkat cell lysate. EphB3 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.