

Datasheet for ABIN391919

**anti-EPH Receptor B2 antibody (N-Term)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	EPH Receptor B2 (EPHB2)
Binding Specificity:	AA 103-133, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B2 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This EphB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-133 amino acids from the N-terminal region of human EphB2.
Clone:	RB01650
Isotype:	IgG
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	EPH Receptor B2 (EPHB2)
Alternative Name:	EphB2 ( <a href="#">EPHB2 Products</a> )

## Target Details

Background:	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 ligand-activated form of EphB2, which belongs to the Tyr family of protein kinases, interacts with multiple proteins, including GTPase-activating protein (RASGAP) through its SH2 domain. It binds RASGAP through the juxtamembrane tyrosines residues, and also interacts with PRKCABP and GRIP1. This type I membrane protein is expressed in brain, heart, lung, kidney, placenta, pancreas, liver and skeletal muscle. It is preferentially expressed in fetal brain. This protein contains putatively 2 fibronectin type III domains and 1 sterile alpha motif (SAM) domain.
Molecular Weight:	117493
Gene ID:	2048
NCBI Accession:	<a href="#">NP_004433</a> , <a href="#">NP_059145</a>
UniProt:	<a href="#">P29323</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a> , <a href="#">S100 Proteins</a>

## Application Details

Application Notes:	IHC-P: 1:50~100. IHC-P: 1:10~50
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.
Handling Advice:	Avoid freeze-thaw cycles.

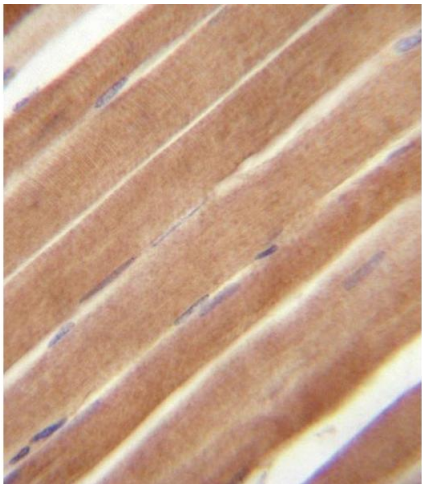
Handling

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.
Expiry Date:	6 months

Publications

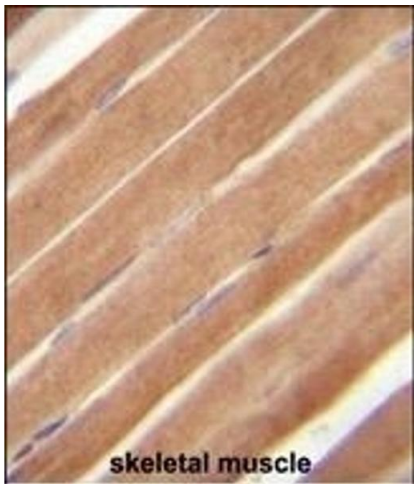
Product cited in:	Xue, Huang, Wang, Dong, Zhou: "EphrinB2 and EphB4 expression in pterygia: new insights and preliminary results." in: <b>Canadian journal of ophthalmology. Journal canadien d'ophtalmologie</b> , Vol. 44, Issue 2, pp. 185-8, (2009) ( <a href="#">PubMed</a> ).
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Images



Immunohistochemistry (Paraffin-embedded Sections)

Image	1.	EphB2	Antibody	(N-term)	A immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EphB2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.
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Immunohistochemistry (Paraffin-embedded Sections)

Image	2.	EphB2	Antibody	(N-term)	A immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EphB2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.
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