

For Research Use Only

# Ephrin B2 Polyclonal antibody

Catalog Number: 26533-1-AP



## Basic Information

<b>Catalog Number:</b> 26533-1-AP	<b>GenBank Accession Number:</b> BC074856	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 1948	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P52799	
<b>Isotype:</b> IgG	<b>Full Name:</b> ephrin-B2	
<b>Immunogen Catalog Number:</b> AG24865	<b>Calculated MW:</b> 333 aa, 37 kDa	
	<b>Observed MW:</b> 47-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse lung tissue, mouse placenta tissue, mouse spleen tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

Ephrin B2 (EFNB2) is a transmembrane ligand for the Ephrin B class (EPHB) of receptor tyrosine kinases. EPHB receptor (EPHB1-EPHB4, EPH6) are located at the member of one cell and activated by binding EFNB protein located on another cell, resulting in a bidirectional Ephrin-EphR signaling (PMID: 26790531). Ephrin-B are involved in vasculogenesis, neural development and synaptic plasticity, and in pathological processes such as cancer or neurodegeneration (PMID:29508392). The calculated molecular weight of EFNB2 is 37 kDa, and there is also detected about 50 kDa band in the article (PMID: 27650867, PMID: 23492730).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

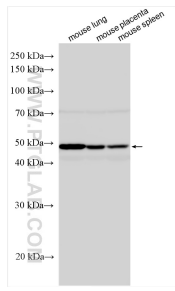
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26533-1-AP (Ephrin B2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.