

Datasheet for 600-401-BB3**EphA10 Antibody****Overview**

Description:	Anti-EphA10 (RABBIT) Antibody - 600-401-BB3
Item No.:	600-401-BB3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Eph receptors, the largest subfamily of receptor tyrosine kinases (RTKs), and their ephrin ligands are important mediators of cell-cell communication regulating cell attachment, shape, and mobility of neuronal and endothelial cells in central nervous system function and in development. Eph receptors can be divided into two subgroups: EphA and EphB. In mammals, the EphA class consists of eight members (EphA 1-7 and 10) that in general bind to ephrin-A members linked to the cell membrane through a glycosylphosphatidylinositol linkage. The EphB class consists of six members (EphB 1-6) that in general bind ephrin-B members that transverse the cell membrane. The Ephrin / EPH signaling pathway networks with the WNT signaling pathway during embryogenesis, tissue regeneration, and carcinogenesis. Recent studies show that Eph/EFN might be relevant in normal B-cell biology and could represent new potential prognostic markers and therapeutic targets for CLL.
Synonyms:	EphA10 Antibody, Ephrin type-A receptor 10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	EPHA10
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-EphA10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide of near the N-terminus of human EphA10.
Purity/Specificity:	Anti-EphA10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with EphA10 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q5JZY3 • GeneID - 284656 • NCBI - NP_001092909

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-EphA10 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 110 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

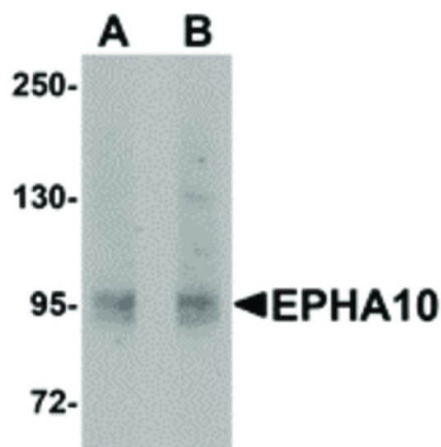
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of EphA10 antibody. Lane 1: 293 cell lysate with EphA10 antibody at 1 $\mu\text{g/mL}$. Lane 2: 293 cell lysate with EphA10 antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 110 kDa, 95 kDa for EphA10. Other band(s): EphA10 splice variants and isoforms.

Disclaimer

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