

**EphA10 Antibody**  
**Catalog # ASC10938****Specification**

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**EphA10 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q5JZY3</a>
Other Accession	<a href="#">NP_001092909</a> , <a href="#">150456460</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	EphA10 antibody can be used for detection of EphA10 by Western blot at 1 - 2 µg/mL.

**EphA10 Antibody - Additional Information**

Gene ID	284656
Target/Specificity	
EPHA10;	

**Reconstitution & Storage**

EphA10 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

EphA10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**EphA10 Antibody - Protein Information**

**Name** EPHA10

**Function**

Receptor for members of the ephrin-A family. Binds to EFNA3, EFNA4 and EFNA5.

**Cellular Location**

[Isoform 1]: Cell membrane; Single- pass type I membrane protein [Isoform 2]: Secreted.

**Tissue Location**

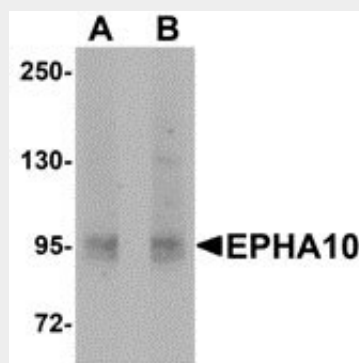
Mainly expressed in testis.

**EphA10 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## EphA10 Antibody - Images



Western blot analysis of EphA10 in 293 cell lysate with EphA10 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

## EphA10 Antibody - Background

EphA10 Antibody: 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.

## EphA10 Antibody - References

- Flanagan JG and Vanderhaeghen P. The ephrins and Eph receptors in neural development. Annu. Rev. Neurosci.1998; 21:309-45.
- Frisen J, Holmberg J, and Barbacid M. Ephrins and their Eph receptors: multitalented directors of embryonic development. EMBO J.1999; 18:5159-65.
- Eph Nomenclature Committee. Unified nomenclature for Eph family receptors and their ligands, the ephrins. Cell1997; 90:403-4.
- Holder N and Klein R. Eph receptors and ephrins: effectors of morphogenesis, Development1999; 126:2033-44.