

**AP30318PU-N****Polyclonal Antibody to EphA10 - Aff - Purified****Alternate names:**

EPH receptor A10, Ephrin type-A receptor 10, FLJ16103

**Quantity:**

0.1 mg

**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.

**Uniprot ID:**[Q4G0R4](#)**NCBI:**[NP\\_001092909](#)**GeneID:**[284656](#)**Host / Isotype:**

Rabbit / IgG

**Immunogen:**

EphA10 antibody was raised against a 14 amino acid peptide of near the amino terminus of human EphA10. (AP30318CP-N)

**Format:****State:** Liquid purified Ig fraction**Purification:** Affinity chromatography purified via peptide column**Buffer System:** PBS containing 0.02% sodium azide.**Applications:**

ELISA.

Western Blot: 1 - 2 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts to EphA10.

**Species:** Human, Mouse, Rat.

Other species not tested.

**Add. Information:**

Blocking peptide available: blocking peptide (AP30318CP-N)

**Storage:**

Store the antibody undiluted at 2-8°C.

Shelf life: one year from despatch.

**General Readings:**

1. Flanagan JG, Vanderhaeghen P. The ephrins and Eph receptors in neural development. *Annu Rev Neurosci.* 1998;21:309-45. PubMed PMID: 9530499.
2. Frisén J, Holmberg J, Barbacid M. Ephrins and their Eph receptors: multitasking directors of embryonic development. *EMBO J.* 1999 Oct 1;18(19):5159-65. PubMed PMID: 10508149.
3. Unified nomenclature for Eph family receptors and their ligands, the ephrins. Eph

Nomenclature Committee. Cell. 1997 Aug 8;90(3):403-4. PubMed PMID: 9267020.  
4. Holder N, Klein R. Eph receptors and ephrins: effectors of morphogenesis. Development. 1999 May;126(10):2033-44. PubMed PMID: 10207129.

**Pictures:**

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

