



## EphB3 Mouse Monoclonal Antibody

E10-20195

**Background:** EphB3: EPH receptor B3. 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 protein encoded by this gene is a receptor for ephrin-B family members.

**Catalog Number:** E10-20195

**Amount:** 100µg/100µl

**Clone Number:** 4A122D1

**Species:** Mouse IgG2a

**Aliases:** ETK2; HEK2; TYRO6

**Entrez Gene:** 2049

**Immunogen:** Purified recombinant fragment of EphB3 (aa39-212) expressed in E. Coli.

**Storage:** Store at 4 °C for long term storage, store at 20°C

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB, IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: Propose dilution 1/10000.

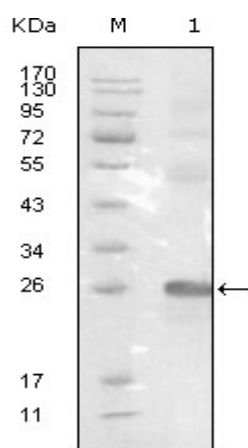


Figure 1: Western blot analysis using EphB3 mouse mAb against truncated EphB3-His recombinant

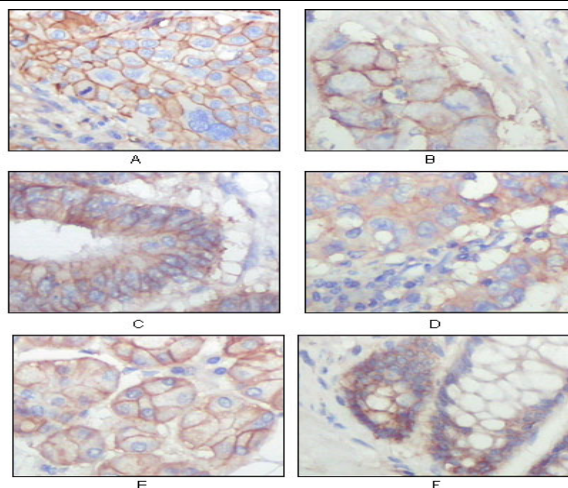


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma (A), lung adenocarcinoma (B), colon carcinoma (C), breast carcinoma (D), normal sublingual gland (E), normal rectal (F), showing membrane localization with DAB staining using EphB3 mouse mAb.

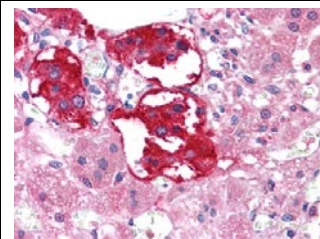


Figure 3: Immunohistochemical analysis of paraffin-embedded human Adrenal tissues using EPHB3 mouse mAb