

# **Product datasheet for TA373067S**

### **Ephrin B3 (EFNB3) Rabbit Polyclonal Antibody**

### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 200-1000

WB positive control: Mouse fetal brain tissue lysate

Reactivity: Human, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide of human EFNB3

**Formulation:** pH7.4 PBS, 0.05% NaN3, 40% Glycerol

**Concentration:** lot specific

**Purification:** Antigen affinity purification

Conjugation: Unconjugated Storage: Store at -20°C.

Stability: 1 year
Predicted Protein Size: 36 kDa
Gene Name: ephrin B3

Database Link: Entrez Gene 1949 Human

Q15768

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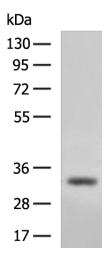


Background:

EFNB3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. Moreover, since levels of EFNB3 expression were particularly high in several forebrain subregions compared to other brain subregions, it may play a pivotal role in forebrain function. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH Receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). 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 similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.

**Synonyms:** EFL6; ephrin-B3; EPLG8; LERK-8; LERK8

## **Product images:**



Gel: 8%SDS-PAGE Lysate: 40 µg Lane: Mouse fetal brain tissue lysate Primary antibody: [TA373067] (EFNB3 Antibody) at dilution 1/200 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

Exposure time: 1 minute