Anti-EFNB3 antibody

Cat. No.	ml162965
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-EFNB3 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human EFNB3
Reactivity	Human, Mouse
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	EFNB3
Full name	ephrin-B3
Synonyms	EFL6; EPLG8; LERK8
Swissprot	Q15768

Target 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.
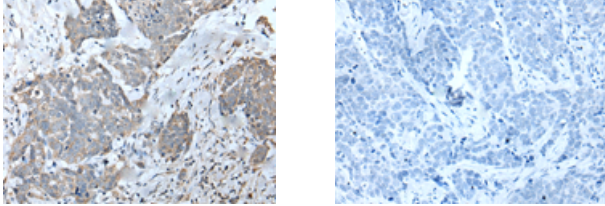
Applications

Immunohistochemistry

Predicted cell location: Cell membrane

Positive control: Human thyroid cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml162965(EFNB3 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:36 kDa

Positive control:NIH/3T3 and SKOV3 cell lysates
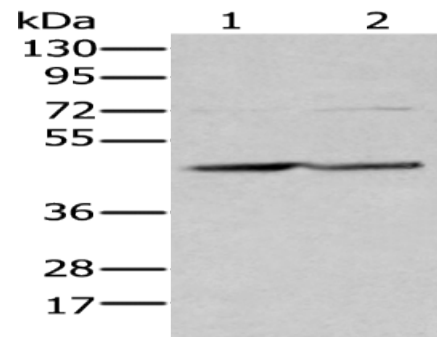
Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

Lysate: 40 μg

Lane 1-2: NIH/3T3 and SKOV3 cell lysates

Primary antibody: ml162965(EFNB3 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 second

ELISA

Recommended dilution: 5000-10000

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