Datasheet for ABIN7601049

anti-EPH Receptor B3 antibody (AA 275-554)

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Overview

Quantity:	100 µg
Target:	EPH Receptor B3 (EPHB3)
Binding Specificity:	AA 275-554
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor B3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-EPHB3 Antibody Picoband®
Immunogen:	E.coli-derived human EPHB3 recombinant protein (Position: H275-Q554).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EPHB3 Antibody Picoband® (ABIN7601049). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	EPH Receptor B3 (EPHB3)
Alternative Name:	EPHB3 (EPHB3 Products)
Background:	Synonyms: Agrin, Agrin N-terminal 110 kDa subunit, Agrin C-terminal 110 kDa subunit, Agrin C-terminal 90 kDa fragment, C90, Agrin C-terminal 22 kDa fragment, C22, AGRN, AGRIN Tissue Specificity: Brain specific. Detected in neuronal cells. Background: Ephrin Receptor EphB3, is also known as human embryo kinase2(HEK2) or Eph-like tyrosine kinase2(ETK2). HEK2, which is a member of the EPH/ELK family of tyrosine kinases, encodes a 998-amino acid polypeptide having a single putative transmembrane domain, a secretory signal sequence, and 2 fibronectin repeats. The EPHB3 gene is mapped to human chromosome 3q21-qter. HEK2 interacts with 2 ligands of EPH-related kinases(LERKs), namely, LERK2(EFNB1) and LERK5(EFNB2). Coincubation of HEK2- and LERK2-expressing cells induces cell-cell adhesion and aggregation. Additionally, coexpression of HEK2 and LERK2 results in reduced kinase activity of HEK2.
Molecular Weight:	110 kDa
Gene ID:	2049
UniProt:	P54753
Pathways:	RTK Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Bohme, B., Holtrich, U., Wolf, G., Luzius, H., Grzeschik, K.-H., Strebhardt, K., Rubsamen-Waigmann, H.PCR mediated detection of a new human receptor-tyrosine-kinase, HEK 2.Oncogene 8: 2857-2862, 1993. 2. Bohme, B., VandenBos, T., Cerretti, D. P., Park, L. S., Holtrich, U., Rubsamen-Waigmann, H., Strebhardt, K.Cell-cell adhesion mediated by binding of membrane-anchored ligand LERK-2 to the EPH-related receptor human embryonal kinase 2 promotes tyrosine kinase activity.J. Biol. Chem. 271: 24747-24752, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.