Datasheet for ABIN7600986

anti-EVL antibody (AA 268-400)

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Overview

Quantity:	100 µg
Target:	EVL
Binding Specificity:	AA 268-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EVL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EVL Antibody Picoband®
Immunogen:	E.coli-derived human EVL recombinant protein (Position: M268-E400).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EVL Antibody Picoband® (ABIN7600986). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. 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:	EVL
Alternative Name:	EVL (EVL Products)
Background:	Synonyms: Tumor necrosis factor ligand superfamily member 4, OX40 ligand, OX40L, CD252, Tnfsf4, Ox40l, Txgp1l Tissue Specificity: Macrophages, peripheral blood leukocytes, lung, spleen and liver. Background: Ena/VASP-like protein is a member of the Ena/VASP family of proteins that in humans is encoded by the EVL gene. Ena/VASP-like (EVL) protein is a member of the Ena/VASP family and is involved in actin-associated cytoskeleton remodeling and cell polarity activities including axon guidance and lamellipodia formation in migrating cells. The EVL protein sequence contains an N-terminal EVH1 domain, a Pro-rich SH3 binding domain, and a C-terminal EVH2 domain. EVL domain interactions with G- and F-actin mediates actin nucleation and polymerization. Research studies have shown that EVL also regulates DNA repair by interaction with RAD51. EVL may function in the DSB repair pathway through the EVH2 domain, which possesses DNA-binding and RAD51 binding activity, thereby coordinating homologous DNA recombination. Research studies have shown EVL expression is up-regulated in human breast cancer associated with clinical stages and may be implicated in invasion and/or metastasis of human breast cancer.
Molecular Weight:	50 kDa
Gene ID:	51466

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gross, M. B. Personal Communication. Baltimore, Md. 4/19/2016. 2. Janssens, K., De Kimpe, L., Balsamo, M., Vandoninck, S., Vandenheede, J. R., Gertler, F., Van Lint, J. Characterization of EVL-I as a protein kinase D substrate. Cell. Signal. 21: 282-292, 2009. 3. Klostermann, A., Lutz, B., Gertler, F., Behl, C. The orthologous human and murine semaphorin 6A-1 proteins (SEMA6A-1/Sema6A-1) bind to the enabled/vasodilator-stimulated phosphoprotein-like protein (EVL) via a novel carboxyl-terminal zyxin-like domain. J. Biol. Chem. 275: 39647-39653, 2000.
Restrictions:	For Research Use only

Handling

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