

Rabbit anti-Human EVL Polyclonal Antibody | anti-EVL antibody

Anti-EVL Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126235	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

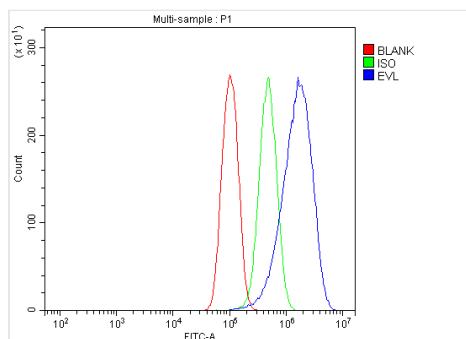
PRODUCT SYNONYMS

EVL; Polyclonal Antibody; Anti-EVL Antibody Picoband; anti-EVL antibody

PRODUCT SPECIFICATIONS

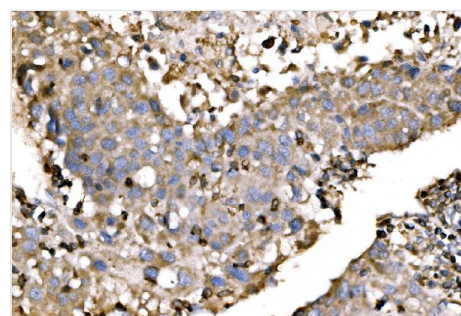
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-EVL antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human EVL recombinant protein (Position: M268-E400).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



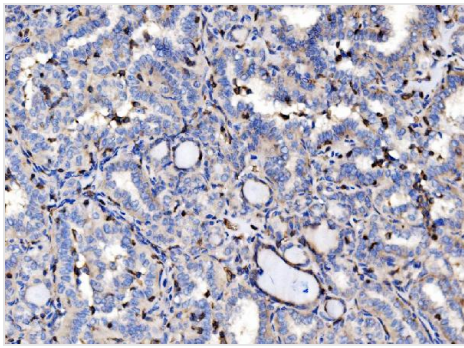
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of PC-3 cells using anti-EVL antibody (AAA126235). Overlay histogram showing PC-3 cells stained with AAA126235 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-EVL Antibody (AAA126235, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



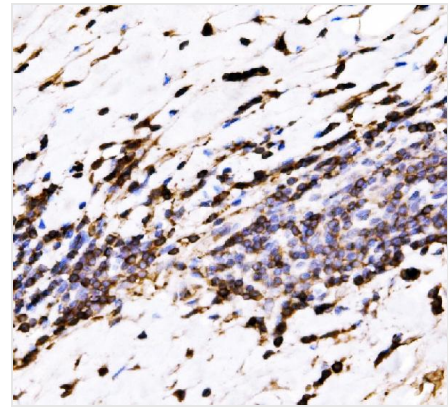
IHC (Immunohistochemistry)

Figure 4. IHC analysis of EVL using anti-EVL antibody (AAA126235). EVL was detected in a paraffin-embedded section of human liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EVL Antibody (AAA126235) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



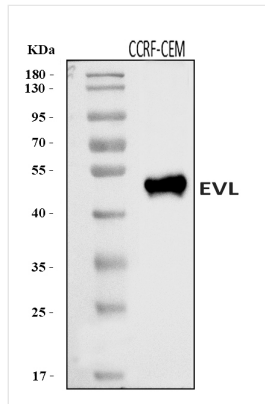
IHC (Immunohistochemistry)

Figure 3. IHC analysis of EVL using anti-EVL antibody (AAA126235). EVL was detected in a paraffin-embedded section of human hashimoto thyroiditis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EVL Antibody (AAA126235) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of EVL using anti-EVL antibody (AAA126235). EVL was detected in a paraffin-embedded section of human gall bladder adenosquamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EVL Antibody (AAA126235) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of EVL using anti-EVL antibody (AAA126235). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human CCRF-CEM whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-EVL antigen affinity purified polyclonal antibody (#AAA126235) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for EVL at approximately 50 kDa. The expected band size for EVL is at 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-EVL antibody

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 direct 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.

Product Categories/Family for anti-EVL antibody

Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706687
NCBI GeneID	51466
NCBI Accession #	NP_057421.1
NCBI GenBank Nucleotide #	NM_016337.2
UniProt Accession #	Q9UI08; O95884; Q7Z522; Q8TBV1; Q9UF25; Q9UIC2; A8K105
Molecular Weight	416
NCBI Official Full Name	ena/VASP-like protein
NCBI Official Synonym Full Names	Enah/Vasp-like
NCBI Official Symbol	EVL
NCBI Official Synonym Symbols	RNB6
NCBI Protein Information	ena/VASP-like protein; ena/vasodilator-stimulated phosphoprotein-like
UniProt Protein Name	Ena/VASP-like protein
UniProt Gene Name	EVL
UniProt Synonym Gene Names	RNB6
UniProt Entry Name	EVL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/evl-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126235>