

ETL Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55063

Specification

ETL Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Rat
Rabbit
Polyclonal
76 KDa

Physical State
Liquid
Immunogen
KLH conjugated synthetic peptide derived

laG

from human ADGRL4

Epitope Specificity 301-400/690

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane.

SIMILARITY

Belongs to the G-protein coupled receptor
2 family. LN-TM7 subfamily. Contains 2
EGF-like domains. Contains 1 GPS domain.

SUBUNIT Forms a heterodimer, consisting of a large

extracellular region (alpha subunit)

non-covalently linked to a

seven-transmembrane moiety (beta subunit). Forms stable dimer at the cells

surface (By similarity).

Post-translational modifications Proteolytically cleaved into 2 subunits, an

extracellular alpha subunit and a seven-transmembrane subunit.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

The epidermal growth factor (EGF)-TM7 family constitutes a group of leukocyte-restricted, class B G-protein coupled receptors (GPCRs). These include CD97, EMR1(EGF-like molecule containing mucin-like hormone receptor 1, designated F4/80 in mouse), EMR2, EMR3, FIRE, and ETL. These family members are characterized by an extended extracellular region with several N-terminal EGF domains and are predominantly expressed on cells of the immune system. Unlike other GPCRs, neither EMR2 nor EMR3 have mouse orthologs. The molecular twins CD97 and EMR2 only differ by 6 out of 236 amino acids, but this slight difference is enough to alter ligand specificity and confer nonredundant functions. EMR3 may function in myeloid-myeloid interactions during immune and inflammatory responses. ETL is a 738 amino acid protein composed of a large extracellular domain with EGF-like repeats, a seven-transmembrane domain, and a short cytoplasmic tail. ETL mRNA expression is up-regulated in the adult rat and human heart.



ETL Polyclonal Antibody - Additional Information

Gene ID 64123

Other Names

Adhesion G protein-coupled receptor L4, EGF, latrophilin and seven transmembrane domain-containing protein 1, EGF-TM7-latrophilin-related protein, ETL protein, ADGRL4 {ECO:0000303|PubMed:25713288}, ELTD1, ETL

Target/Specificity

Mainly expressed in smooth muscle.

Dilution

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<span class ="dilution_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution_IF">IF~~1:50~200</span><br \> <span class = "dilution_ICC">ICC~~N/A</span><br \> <span class = "dilution_ICC">ICC~~N/A</span><br \> <span class = "dilution_ICC">ICC~~N/A</span>
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Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

ETL Polyclonal Antibody - Protein Information

Name ADGRL4 {ECO:0000303|PubMed:25713288}

Synonyms ELTD1, ETL

Function

Endothelial orphan receptor that acts as a key regulator of angiogenesis.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in the majority of epithelial cells in tumor and normal tissues. Expressed also in human umbilical vein endothelial cells.

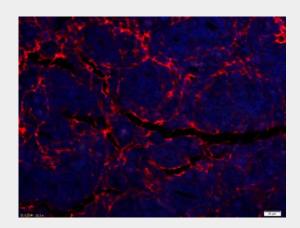
ETL Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ETL Polyclonal Antibody - Images

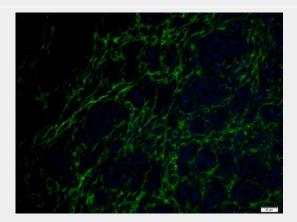




Tissue/cell: rat uterus tissue;4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

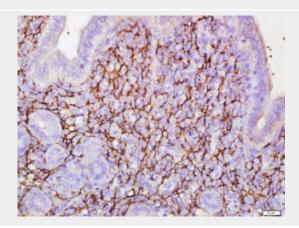
Incubation: Anti-ETL Polyclonal Antibody, Unconjugated(bs-13111R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



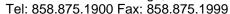
Tissue/cell: rat uterus tissue;4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-ETL Polyclonal Antibody, Unconjugated(bs-13111R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-FITC)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei









Tissue/cell: rat uterus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-ETL Polyclonal Antibody, Unconjugated(bs-13111R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining