

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	Q9HBW9
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADGRL4
Epitope Specificity	301-400/690
Isotype	IgG
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. 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).
SUBUNIT	Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit.
Post-translational modifications	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

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

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °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 °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.

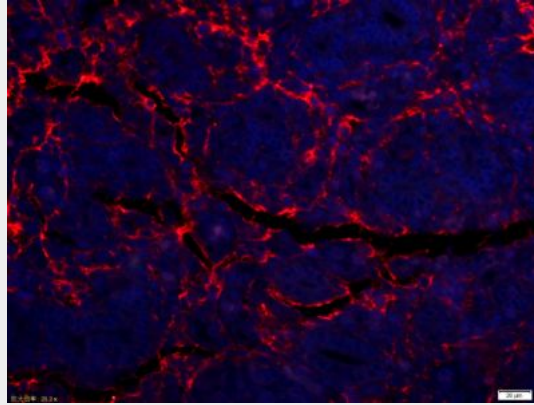
ETL Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

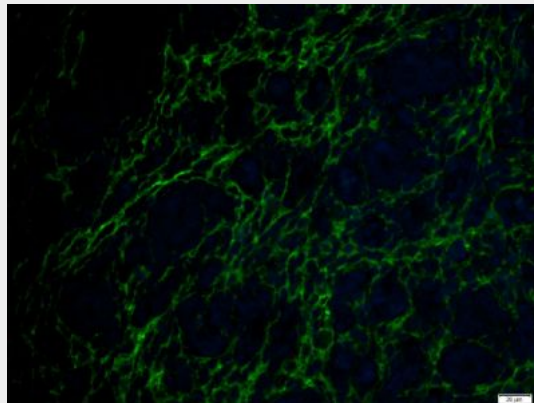
ETL Polyclonal Antibody - Images



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;

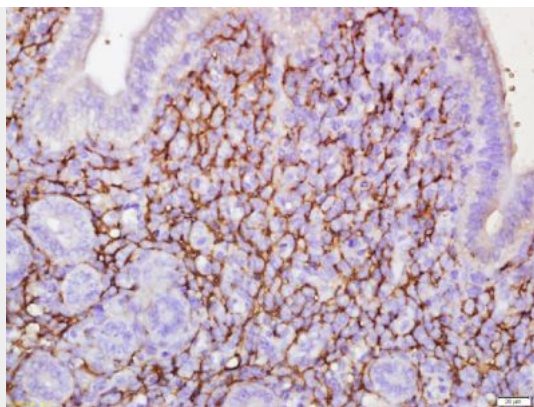
Incubation: Anti-ETL Polyclonal Antibody, Unconjugated(bs-13111R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



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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