

ETL Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55063

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9HBW9
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77811
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.
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.

Additional Information

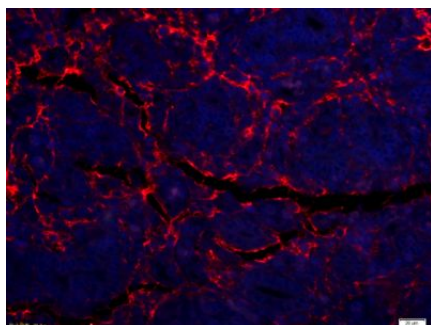
Gene ID 64123

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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.

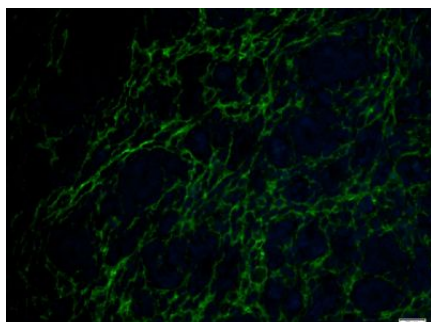
Images



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(AP55063) 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

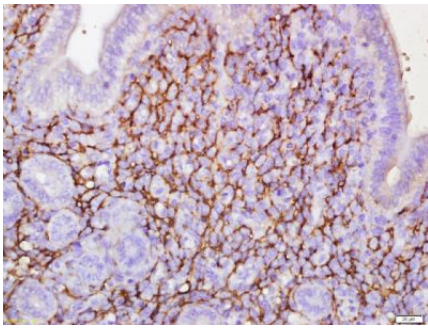


Tissue/cell: rat uterus tissue;4% Paraformaldehyde-fixed and paraffin-embedded;

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(AP55063) 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(AP55063) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.