bs-13111R **[Primary Antibody]**

ADGRL4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 64123 **SWISS:** Q9HBW9

Target: ADGRL4

Immunogen: KLH conjugated synthetic peptide derived from human ADGRL4: 301-400/690.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

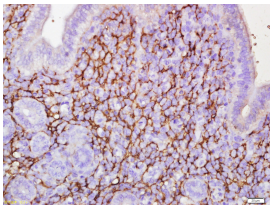
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat (predicted: Human, Mouse, Horse)

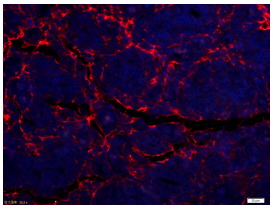
Predicted MW.: 76 kDa

Subcellular Location: Cell membrane

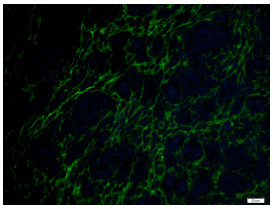
VALIDATION IMAGES



Tissue/cell: rat uterus tissue ; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; 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



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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SELECTED CITATIONS

- **[IF=4.658]** Zalles M et al. Optimized monoclonal antibody treatment against ELTD1 for GBM in a G55 xenograft mouse

model. J Cell Mol Med. 2019 Dec 21. Other ;Mouse. 31863639