

**GPR137B Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10165****Specification**

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**GPR137B Antibody (C-Terminus) - Product Information**

|                   |                                          |
|-------------------|------------------------------------------|
| Application       | IHC-P, ICC                               |
| Primary Accession | <a href="#">O60478</a>                   |
| Reactivity        | Human, Mouse, Rabbit, Monkey, Pig, Horse |
| Host              | Rabbit                                   |
| Clonality         | Polyclonal                               |
| Calculated MW     | 46kDa KDa                                |
| Dilution          | IHC-P~~N/A<br>ICC~~N/A                   |

**GPR137B Antibody (C-Terminus) - Additional Information****Gene ID** 7107**Other Names**

Integral membrane protein GPR137B, Transmembrane 7 superfamily member 1 protein, GPR137B, TM7SF1

**Target/Specificity**

Human GPR137B / TM7SF1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

GPR137B Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**GPR137B Antibody (C-Terminus) - Protein Information****Name** GPR137B**Synonyms** TM7SF1 {ECO:0000303|PubMed:22729905}**Function**

Lysosomal integral membrane protein that regulates the localization and activity of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids (PubMed: [31036939](http://www.uniprot.org/citations/31036939)). Interacts with Rag GTPases and increases the lysosomal localization and activity of Rag GTPases and thereby regulates mTORC1 translocation and activity in lysosome (PubMed: [31036939](http://www.uniprot.org/citations/31036939)). Involved in the regulation of lysosomal morphology and

autophagy (PubMed:<a href="http://www.uniprot.org/citations/31036939" target="\_blank">31036939</a>).

**Cellular Location**

Lysosome membrane; Multi-pass membrane protein. Note=Colocalized with MTOR in lysosome after amino acid stimulation.

**Tissue Location**

Expressed in kidney, heart, brain and placenta.

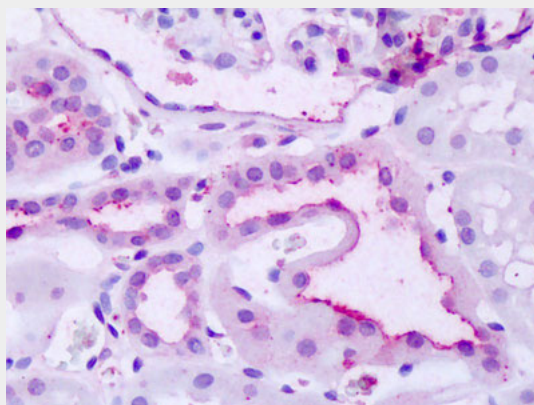
**Volume**

50  $\mu$ l

**GPR137B Antibody (C-Terminus) - 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](#)

**GPR137B Antibody (C-Terminus) - Images**

Anti-GPR137B antibody IHC of human kidney.

**GPR137B Antibody (C-Terminus) - References**

Spangenberg C.,et al.Genomics 48:178-185(1998).  
Warren C.N.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.  
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).