

GPR137B Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10164**Specification**

GPR137B Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P, ICC
Primary Accession	O60478
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa
Dilution	IHC-P~~N/A ICC~~N/A

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

GPR137B Antibody (Cytoplasmic Domain) - 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: <http://www.uniprot.org/citations/31036939> target="_blank">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: <http://www.uniprot.org/citations/31036939>)

target="_blank">31036939). Involved in the regulation of lysosomal morphology and autophagy (PubMed:31036939).

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.

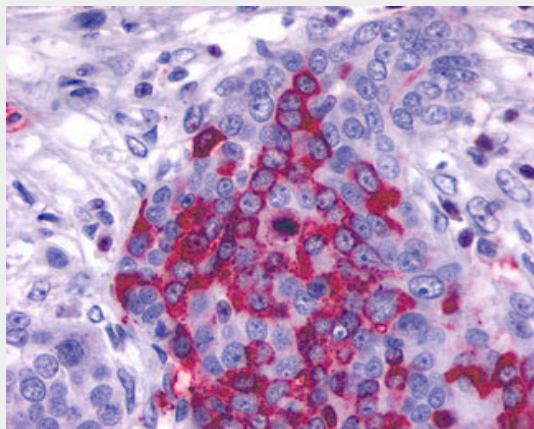
Volume

50 µl

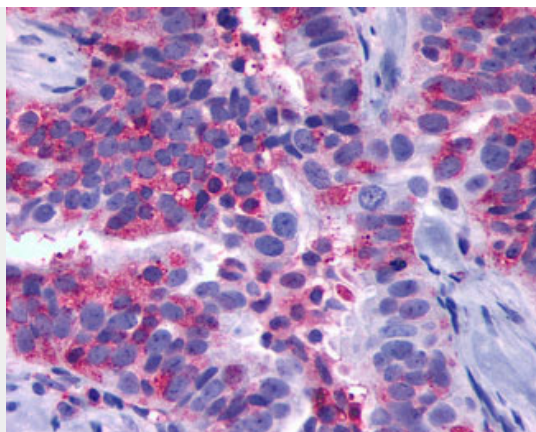
GPR137B Antibody (Cytoplasmic Domain) - Protocols

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

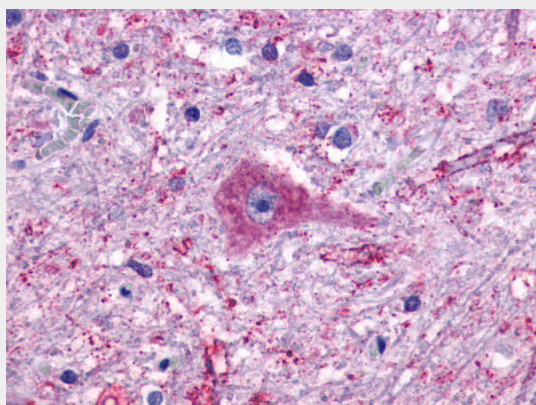
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR137B Antibody (Cytoplasmic Domain) - Images

Anti-GPR137B antibody IHC of human Ovary, Carcinoma.



Anti-GPR137B antibody IHC of human Ovary, Carcinoma.



Anti-GPR137B / TM7SF1 antibody ALS10164 IHC of human brain.

GPR137B Antibody (Cytoplasmic Domain) - 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).