10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TMEM5 Antibody (Extracellular Domain)

Rabbit Polyclonal Antibody

Catalog # ALS10620

Specification

TMEM5 Antibody (Extracellular Domain) - Product Information

Application	**IHC**
Primary Accession	Q9Y2B1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51kDa KDa**

TMEM5 Antibody (Extracellular Domain) - Additional Information

Gene ID 10329

Other Names
Transmembrane protein 5, TMEM5

Target/Specificity
Human TMEM5. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except CACYBP (50%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
TMEM5 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM5 Antibody (Extracellular Domain) - Protein Information

Name RXYLT1 (HGNC:13530)

Synonyms TMEM5

Function
Acts as a UDP-D-xylose:ribitol-5-phosphate beta1,4- xylosyltransferase, which catalyzes the transfer of UDP-D-xylose to ribitol 5-phosphate (Rbo5P) to form the Xylbeta1-4Rbo5P linkage on O-mannosyl glycan (PubMed:27733679, PubMed:29477842) (Probable). Participates in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4- (phosphate-6-)mannose), a carbohydrate structure present in alpha- dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:25279699, PubMed:<a

href="http://www.uniprot.org/citations/27601598" target="_blank">27601598, PubMed:27733679) (Probable).

Cellular Location
Golgi apparatus membrane; Single-pass type II membrane protein

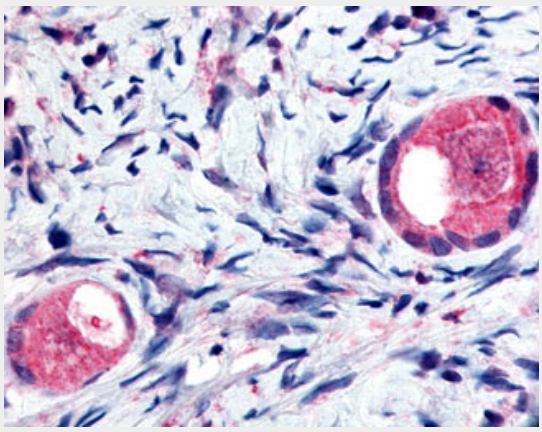
Volume
50 µl

TMEM5 Antibody (Extracellular 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 Cytomety
- Cell Culture

TMEM5 Antibody (Extracellular Domain) - Images



Anti-TMEM5 antibody ALS10620 IHC of human ovary, oocytes.

TMEM5 Antibody (Extracellular Domain) - Background

Involved in the biosynthesis of the phosphorylated O- mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N- acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity.

TMEM5 Antibody (Extracellular Domain) - References

Yokoyama-Kobayashi M.,et al.Gene 228:161-167(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Jae L.T.,et al.Science 340:479-483(2013).
Willer T.,et al.Elife 3:0-0(2014).