

TMEM184A Antibody

Catalog # ASC11102

Product Information

Application	WB, E, IHC-P
Primary Accession	Q6ZMB5
Other Accession	NP_001091089 , 148276981
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	45777
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TMEM184A antibody can be used for detection of TMEM184A by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Additional Information

Gene ID	202915
Other Names	Transmembrane protein 184A, TMEM184A
Target/Specificity	TMEM184A;
Reconstitution & Storage	TMEM184A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	TMEM184A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMEM184A
Function	Acts as a heparin receptor in vascular cells (By similarity). May be involved in vesicle transport in exocrine cells and Sertoli cells (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q4QQS1}; Multi-pass membrane protein. Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:Q4QQS1}. Cytoplasmic vesicle membrane {ECO:0000250 UniProtKB:Q1RMW2}; Multi-pass membrane protein. Early endosome membrane {ECO:0000250 UniProtKB:Q3UFJ6}; Multi-pass membrane protein. Endosome {ECO:0000250 UniProtKB:Q3UFJ6}. Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250 UniProtKB:Q3UFJ6}

Tissue Location

Expressed in vascular cells (at protein level).

Background

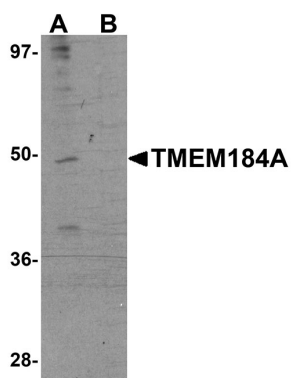
TMEM184A Antibody: TMEM184A, a multi-pass transmembrane protein, belongs to the UPF0206 family. While the exact function of TMEM184A remains unclear, it is known to be expressed at high levels in the developing testis. TMEM184A may mediate sex-specific signaling events during Sertoli cell differentiation. The restricted expression of this gene in Sertoli cells suggests a role for the encoded protein in the development and/or continued function of that cell type. Ectopic expression of TMEM184A in female genital ridges resulted in failure of gonocytes to enter meiosis.

References

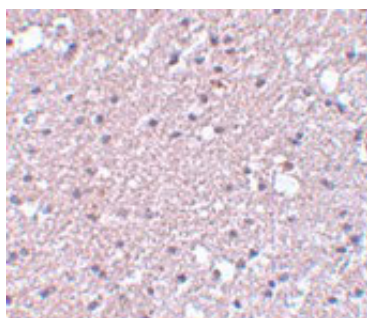
Svingen T, Beverdam A, Bernard P, et al. Sex-specific expression of a novel gene Tmem184a during mouse testis differentiation. *Reproduction* 2007; 133:983-9.

Svingen T, Wilhelm D, Combes AN, et al. Ex vivo magnetofection: a novel strategy for the study of gene function in mouse organogenesis. *Dev Dyn*. 2009; 238:956-64.

Images



Western blot analysis of TMEM184A in rat brain tissue lysate with TMEM184A antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TMEM184A in human brain tissue with TMEM184A antibody at 5 $\mu\text{g/mL}$.

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