



Rabbit Anti-Tmem18 antibody

SL11799R

Product Name:	Tmem18
Chinese Name:	Transmembrane protein18抗体
Alias:	DKFZp434C1714; TMEM18; TMM18 HUMAN; Transmembrane protein 18.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Tmem18:41-140/140
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	TMEM18 is a 140 amino acid multi-pass membrane protein that localizes to the nuclear membrane and is expressed in the brain. TMEM18 functions as a cell migration modulator which enhances the glioma-specific migration ability of neural precursor and neural stem cells. Overexpression of TMEM18 increases migration of human and murine neural stem cells, whereas knockdown of TMEM18 mRNA reduces cellular migration. Two specific single nucleotide polymorphisms (SNPs) within the TMEM18 gene locus known as rs6548238 and rs756131 have been linked to obesity susceptibility.

Function:

Cell migration modulator which enhances the glioma-specific migration ability of neural stem cells (NSC) and neural precursor cells (NPC).

Subunit:

Forms homooligomers, independently of the DNA-binding domain.

Subcellular Location:

Cytoplasm. Nucleus membrane; Multi-pass membrane protein.

Similarity:

Belongs to the TMEM18 family.

SWISS:

Q96B42

Gene ID:

129787

Database links:

[Entrez Gene: 129787](#)Human

[Entrez Gene: 211986](#)Mouse

[Entrez Gene: 362722](#)Rat

[Omim: 613220](#)Human

[SwissProt: Q96B42](#)Human

[SwissProt: Q3TUD9](#)Mouse

[SwissProt: Q6DGF8](#)Rat

[Unigene: 43899](#)Human

[Unigene: 34035](#)Mouse

[Unigene: 207403](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.