

Product datasheet for **TA306729**

TMEM18 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TMEM18 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human TMEM18.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transmembrane protein 18
Database Link:	NP_690047 Entrez Gene 211986 Mouse Entrez Gene 362722 Rat Entrez Gene 129787 Human Q96B42

Background: Recent studies have examined how overexpression of certain genes enhances the tropism of neural stem cells (NSCs) for gliomas. Overexpression of Transmembrane protein 18 (TMEM18) provides NSCs and neural precursors an increased migration capacity towards glioblastoma cells in vitro and in the rat brain, while functional inactivation of the gene resulted in an almost complete loss of migration activity, suggesting that TMEM18 could be a potential target in NSC-based glioma therapy. Other recent results suggest that among others, the TMEM18 loci is associated with higher than normal body mass index (BMI) and obesity, indicating there may be a CNS-related role in predisposition to obesity. Multiple isoforms of TMEM18 are known to exist.

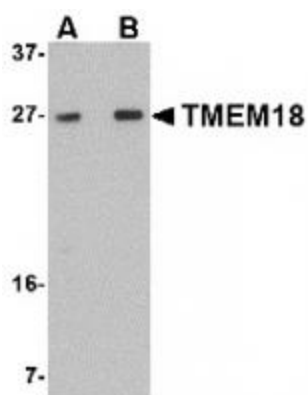


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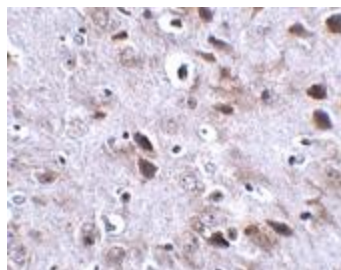
Synonyms: DKFZp434C1714

Protein Families: Transmembrane

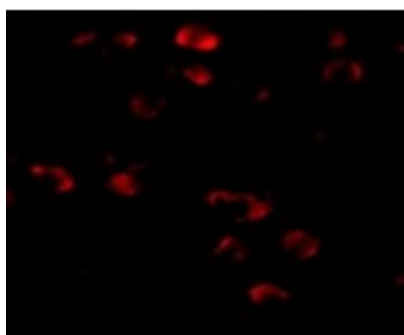
Product images:



Western blot analysis of TMEM18 in rat brain lysate with TMEM18 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TMEM18 in mouse brain tissue with TMEM18 antibody at 2.5 ug/mL.



Immunofluorescence of TMEM18 in Mouse Brain cells with TMEM18 antibody at 20 ug/mL.